

Initial Application Part I

Received: 08/20/2019

This application is placed in file for record. It MAY or MAY NOT have been reviewed to be determined Administratively Complete

RECEIVED: 08/20/2019	REVIEWER:	TYPE: SWD	APP NO: pMAM1923246062
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ABOVE THIS TABLE FOR OCD DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION
 - Geological & Engineering Bureau -
 1220 South St. Francis Drive, Santa Fe, NM 87505



ADMINISTRATIVE APPLICATION CHECKLIST

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Applicant: Fulfer Oil & Cattle, LLC **OGRID Number:** 141402
Well Name: South Langlie Jal Unit No.18 **API:** 30-025-11642
Pool: Jalmat; Tan-Yates-7 Rvrs (Oil) **Pool Code:** 33820

SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED BELOW

- 1) **TYPE OF APPLICATION:** Check those which apply for [A]
- A. Location – Spacing Unit – Simultaneous Dedication
☐ NSL ☐ NSP (PROJECT AREA) ☐ NSP (PRORATION UNIT) ☐ SD
- B. Check one only for [I] or [II]
- [I] Commingling – Storage – Measurement
☐ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM
- [II] Injection – Disposal – Pressure Increase – Enhanced Oil Recovery
☐ WFX ☐ PMX ☒ SWD ☐ IPI ☐ EOR ☐ PPR
- 2) **NOTIFICATION REQUIRED TO:** Check those which apply.
- A. ☒ Offset operators or lease holders
 B. ☐ Royalty, overriding royalty owners, revenue owners
 C. ☒ Application requires published notice
 D. ☒ Notification and/or concurrent approval by SLO
 E. ☒ Notification and/or concurrent approval by BLM
 F. ☒ Surface owner
 G. ☒ For all of the above, proof of notification or publication is attached, and/or,
 H. ☐ No notice required

SWD-2248

FOR OCD ONLY

- ☐ Notice Complete
☐ Application Content Complete

- 3) **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

Ben Stone

Print or Type Name

Signature

8/07/2019

Date

903-488-9850

Phone Number

ben@sosconsulting.us

e-mail Address

August 7, 2019

New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Attn: Ms. Adrienne Sandoval, Director

Re: Application of Fulfer Oil & Cattle, LLC to reinstate and otherwise permit for salt water disposal its South Langlie Jal Unit Well No.18, located in Section 17, Township 25 South, Range 37 East, NMPM, Lea County, New Mexico.

Dear Ms. Sandoval,

Please find the enclosed form C-108 Application for Authority to Inject, supporting the above-referenced request to permit for disposal, South Langlie Jal Unit Well No.18. The well was previously authorized for waterflood injection by division order R-4066. Fulfer's intent is to utilize this well to service their on-lease operations only - it's a low-rate situation and no outside water will be accepted.

Fulfer Oil & Cattle seeks to optimize efficiency, both economically and operationally, of its operations in southeast New Mexico. Approval of this application is consistent with that goal as well as the NMOCD's mission of preventing waste and protection of correlative rights.

Published legal notice ran in the July 24, 2019 edition of the Hobbs News-Sun and all offset operators and other interested parties have been notified individually. The legal notice affidavit is included in this application. This application also includes a wellbore schematic, area of review maps, affected party plat and other required information for a complete Form C-108. The well is located on private land and federal minerals.

I respectfully request that the approval of this salt water disposal well proceed swiftly and if you or your staff requires additional information or has any questions, please do not hesitate to call or email me.

Best regards,



Ben Stone, Partner
SOS Consulting, LLC
Agent for Fulfer Oil & Cattle, LLC

Cc: Application attachment and file

APPLICATION FOR AUTHORIZATION TO INJECT

- I. PURPOSE: ***Water Injection Well – Application Meets Qualifications for Administrative Approval.***
- II. OPERATOR: ***Fulfer Oil & Cattle, LLC***
ADDRESS: ***P.O. Box 1224, Jal, NM 87252***
- CONTACT PARTY: ***Gregg Fulfer (575) 631-0522***
Agent: SOS Consulting, LLC – Ben Stone (903) 488-9850
- III. WELL DATA: ***All well data and applicable wellbore diagrams are attached hereto.***
- IV. ***This is to reauthorize a temporarily abandoned WIW of an existing waterflood project.***
- V. ***A map is ATTACHED*** that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.
- *VI. ***A tabulation is ATTACHED*** of data on all wells of public record within the area of review which penetrate the proposed injection zone. ***18 AOR wells penetrate the subject interval; 9 P&A'd).*** The data includes a description of each well's type, construction, date drilled, location, depth, and a schematic of any plugged wells illustrating all plugging detail.
- VII. ***The following data is ATTACHED*** on the proposed operation, including:
1. Proposed average and maximum daily rate and volume of fluids to be injected;
 2. Whether the system is open or closed;
 3. Proposed average and maximum injection pressure;
 4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and,
 5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).
- *VIII. ***Appropriate geologic data on the injection zone is ATTACHED*** including appropriate lithologic detail, geologic name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such sources known to be immediately underlying the injection interval.
- IX. ***No stimulation program is proposed at this time. Openhole will likely be acidized w/ up to 10,000 gals.15% HCl.***
- *X. ***One well log is available on OCD Online. A Gamma Ray / Neutron Log Strip is ATTACHED.***
- *XI. ***State Engineer's records indicate numerous water wells within one mile the proposed injection well; at least 2 will be sampled and analyses will be forwarded upon receipt.***
- XII. ***An affirmative statement is ATTACHED that available geologic and engineering data has been examined and no evidence was found*** of open faults or any other hydrologic connection between the disposal zone and any underground sources of drinking water.
- XIII. ***"Proof of Notice" section on the next page of this form has been completed. There are 2 offset lessees and/or operators within ½ mile - all have been noticed via U.S. Certified Mail.***
- XIV. Certification: I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.

NAME: ***Ben Stone*** TITLE: ***SOS Consulting, LLC agent / consultant for Fulfer Oil & Cattle, LLC***

SIGNATURE:  DATE: ***8/07/2019***

E-MAIL ADDRESS: ***ben@sosconsulting.us***

- * If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be resubmitted. Please show the date and circumstances of the earlier submittal:

III. WELL DATA – ***The following information and data is included:***

A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:

- (1) Lease name; Well No.; Location by Section, Township and Range; and footage location within the section.
- (2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.
- (3) A description of the tubing to be used including its size, lining material, and setting depth.
- (4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

Division District Offices have supplies of Well Data Sheets which may be used or which may be used as models for this purpose. Applicants for several identical wells may submit a "typical data sheet" rather than submitting the data for each well.

B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.

- (1) The name of the injection formation and, if applicable, the field or pool name.
- (2) The injection interval and whether it is perforated or open-hole.
- (3) State if the well was drilled for injection or, if not, the original purpose of the well.
- (4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.
- (5) Give the depth to and the name of the next higher and next lower oil or gas zone in the area of the well, if any.

XIV. PROOF OF NOTICE ***pursuant to the following criteria is attached. Affidavit is ATTACHED.***

All applicants must furnish proof that a copy of the application has been furnished, by certified or registered mail, to the owner of the surface of the land on which the well is to be located and to each leasehold operator within one-half mile of the well location.

Where an application is subject to administrative approval, a proof of publication must be submitted. Such proof shall consist of a copy of the legal advertisement which was published in the county in which the well is located. The contents of such advertisement must include:

- (1) The name, address, phone number, and contact party for the applicant;
- (2) The intended purpose of the injection well; with the exact location of single wells or the Section, Township, and Range location of multiple wells;
- (3) The formation name and depth with expected maximum injection rates and pressures; and,
- (4) A notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, 1220 South St. Francis Dr., Santa Fe, New Mexico 87505, within 15 days.

NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.

NOTICE: Surface owners or offset operators must file any objections or requests for hearing of administrative applications within 15 days from the date this application was mailed to them.

C-108 - Items III, IV, V

Item III - Subject Well Data

Wellbore Diagram - CURRENT

Wellbore Diagram – PROPOSED

The well is currently TA'd and will be reconfigured identically to previous injection authorization.

Item IV – Tabulation of AOR Wells

Tabulation includes all construction data for all wells within a one-half mile Radius of the subject well and which penetrate the proposed interval.

P&A Diagrams for 9 wells.

Item V – Area of Review Maps

1. Two Mile AOR Map with One-Mile Fresh Water Well Radius

2. One-Half Mile AOR Map

All Above Exhibits follow this page.



WELL SCHEMATIC - CURRENT **South Langlie Jal Unit Well No.18 (WIW)**

(Expired TA)

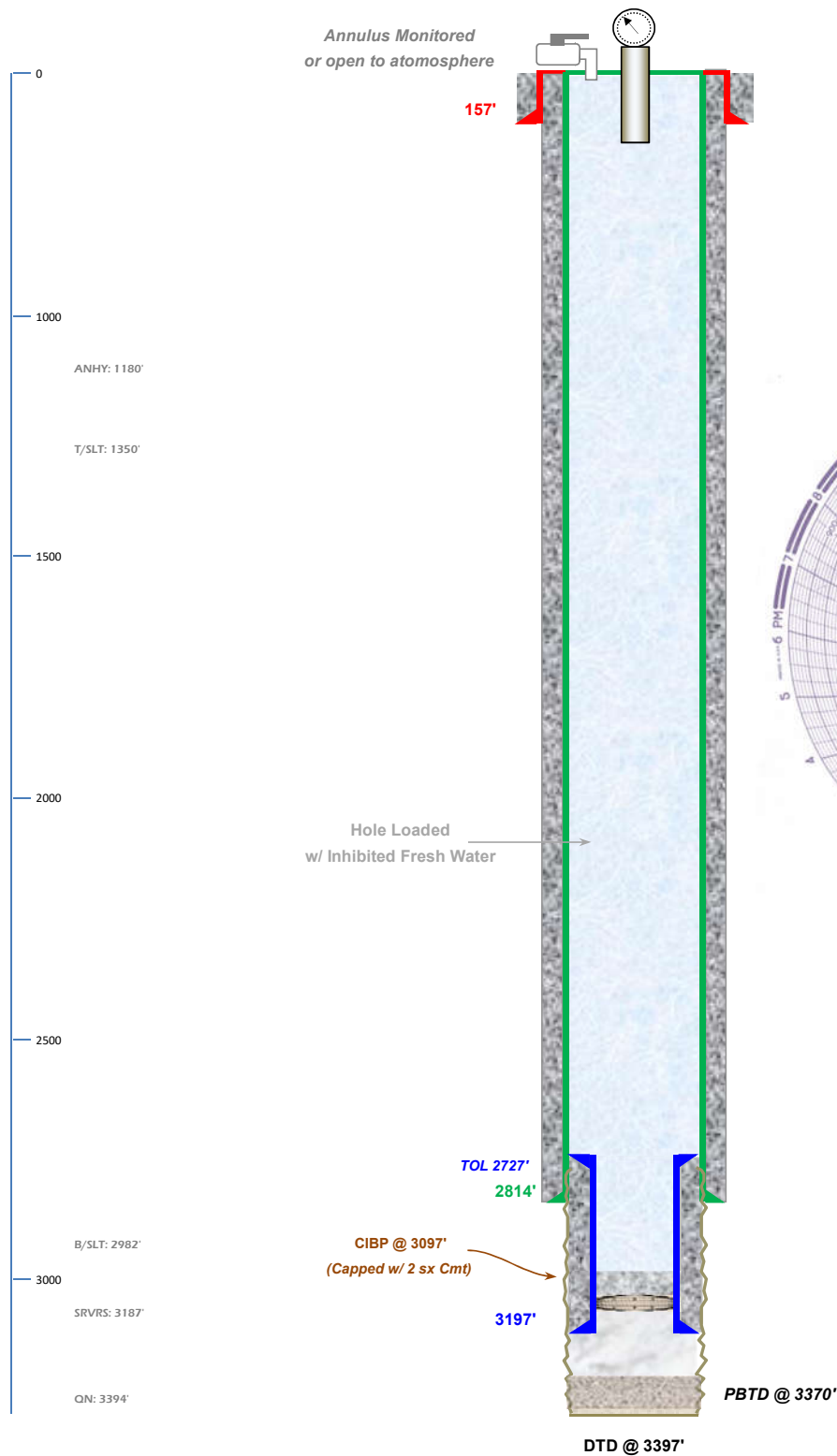
API 30-025-11642

1980' FNL & 990' FWL, SEC. 17-T25S-R37E
 LEA COUNTY, NEW MEXICO

[33820] Jalmat; Tan-Yates-7 Rvrs (Oil)

Spud Date: 3/19/1952

TA Date: 12/27/2001

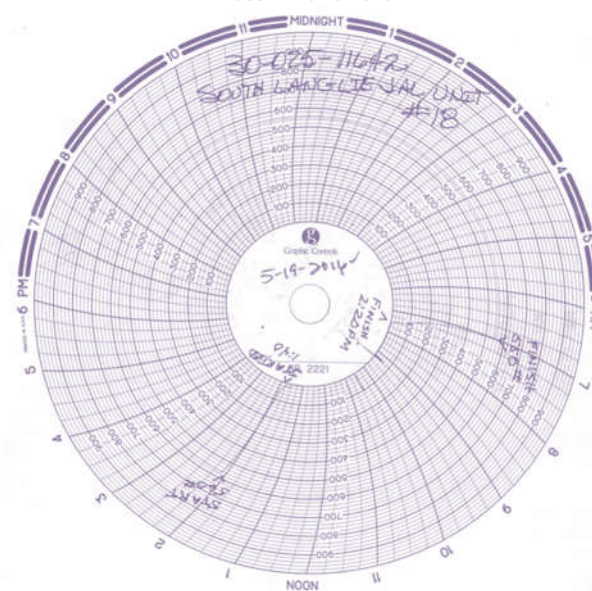


Surface Casing

10.75", 32.0# Csg. (12.5" Hole) @ 157'

100 sx - Circ. to Surface

Last MIT 5/19/2016



Production Casing (Original)

7.0", 20.0# Csg. (8.5" Hole) @ 2814'

w/ 400 sx; Calc'd to Cird; Not Rpt'd

Production Liner

4.5", 9.6# K-55 Csg. (7.875" Hole) 2727'-3197'

w/ 75 sx to Top of Liner

Drawn by: Ben Stone, 7/22/2019





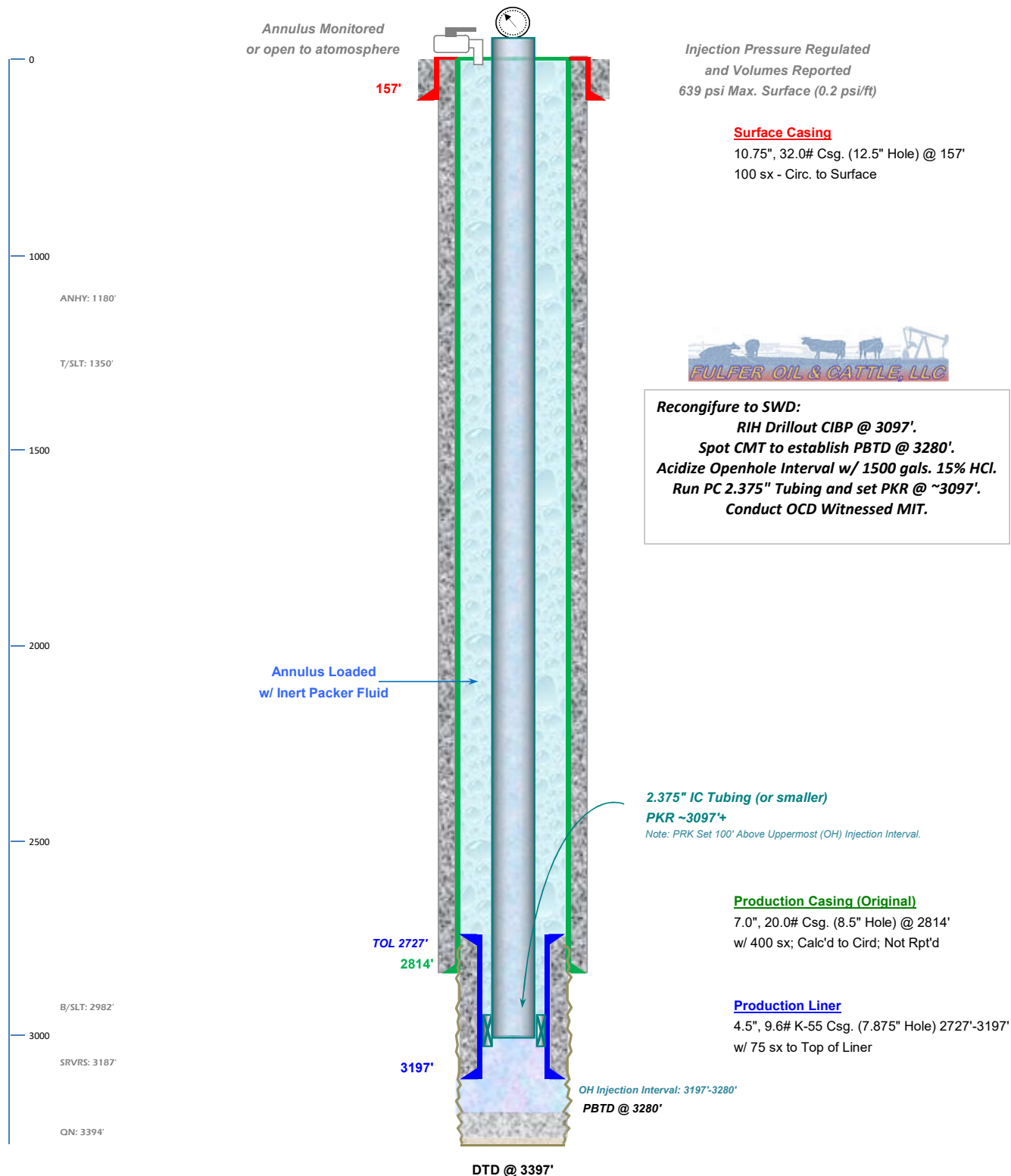
WELL SCHEMATIC - PROPOSED South Langlie Jal Unit Well No.18 (SWD)

[33820] Jalmat; Tan-Yates-7 Rvrs (Oil)

API 30-025-11642

1980' FNL & 990' FWL, SEC. 17-T25S-R37E
LEA COUNTY, NEW MEXICO

Spud Date: 3/19/1952
SWD Config Date: TBD/20



Drawn by: Ben Stone, 7/22/2019



Form C-108 Item VI - Tabulation of AOR Wells

Top of Proposed 7 RVRS Interval 3197'

18 Wells Penetrate Proposed Interval

API	Current Operator	Well Name	Well Number	Type	Status	ULSTR	Depth	Plugged On
<u>Subject Well</u>								
30-025-11642	[141402] FULFER OIL & CATTLE LLC	SOUTH LANGLIE JAL UNIT	#018	Injection	Expired TA	E-17-25S-37E	3397'	
See CURRENT and PROPOSED Diagrams								
<u>Section 8 Wells</u>								
30-025-11508	[4115] CHAPARRAL ENERGY LLC	SOUTH LANGLIE JAL UNIT	#010	Oil	P&A	M-8-25S-37E	3380'	
See CURRENT (P&A) Diagram								
<u>Section 17 Wells</u>								
30-025-11634	[372000] POGO OIL & GAS OPERATING, INC	LANGLIE JAL UNIT	#087	Oil	Active	B-17-25S-37E	3650'	
10.75" (N/A hole) @ 313' w/ 250 sx - circ.; 7" (N/A hole) @ 3248' w/ 200 sx; 4.5" (N/A hole) @ 3650' w/ 100 sx.								
30-025-11647	[160825] BC OPERATING, INC.	SOUTH LANGLIE JAL UNIT	#015	Injection	P&A	C-17-25S-37E	3380'	4/5/2012
See CURRENT (P&A) Diagram								
30-025-11646	[22351] TEXACO E & P INC	SOUTH LANGLIE JAL UNIT	#014	Oil	P&A	D-17-25S-37E	3390'	1/1/1900
See CURRENT (P&A) Diagram								
30-025-11639	[22351] TEXACO E & P INC	WOOLWORTH B	#001	Oil	P&A	D-17-25S-37E	3080'	34487
Does NOT Penetrate								
30-025-11640	[141402] FULFER OIL & CATTLE LLC	SOUTH LANGLIE JAL UNIT	#019	Oil	Active	F-17-25S-37E	3403'	
10.75" (N/A hole) @ 160' w/ 100 sx - circ.; 7" (N/A hole) @ 2833' w/ 400 sx; 4.5" LNR (6.25" hole) @ 2780'-3409 w/ 260 sx.								
30-025-11643	[372000] POGO OIL & GAS OPERATING, INC	LANGLIE JAL UNIT	#090	Oil	Active	G-17-25S-37E	3565'	
9.625" (N/A hole) @ 168' w/ 125 sx; 7" (N/A hole) @ 3038' w/ 400 sx; 4.5" (7" hole) @ 3413' w/ 75 sx								
30-025-35626	[372000] POGO OIL & GAS OPERATING, INC	LANGLIE JAL UNIT	#124	Oil	Active	G-17-25S-37E	3750'	
8.625" (12.25" hole) @ 813' w/ 450 sx - Circ.; 5.5" (7.875" hole) @ 3750' w/ 815.5 sx - circ.								
30-025-11631	[264953] HERMAN L. LOEB LLC	LANGLIE A FEDERAL	#001	Gas	Active	J-17-25S-37E	2980'	
Does NOT Penetrate								
30-025-24891	[372000] POGO OIL & GAS OPERATING, INC	LANGLIE JAL UNIT	#091	Injection	Active	J-17-25S-37E	3850'	
13.375" (20" hole) @ 30' w/ 4 Yds; 8.625" (12.5" hole) @ 814' w/ 600 sx.; 4.5" (7.875" hole) @ 3850' w/ 1200 sx.								
30-025-11638	[160825] BC OPERATING, INC.	SOUTH LANGLIE JAL UNIT	#023	Injection	P&A	K-17-25S-37E	3405'	41008
See CURRENT (P&A) Diagram								
30-025-11637	[141402] FULFER OIL & CATTLE LLC	SOUTH LANGLIE JAL UNIT	#022	Oil	Active	L-17-25S-37E	3375'	
10.75" (13.75" hole) @ 157' w/ 125 sx.; 5.5" (8.75" hole) @ 3288' w/ 350 sx.								

Form C-108 Item VI - Tabulation of AOR Wells (cont.)

30-025-11645	[160825] BC OPERATING, INC.	SOUTH LANGLEIE JAL UNIT	#026	Injection	P&A	M-17-25S-37E	3365'	4/3/2012
<i>See CURRENT (P&A) Diagram</i>								
30-025-11641	[141402] FULFER OIL & CATTLE LLC	SOUTH LANGLEIE JAL UNIT	#027	Oil	Active	N-17-25S-37E	3550'	
<i>8.625" (12" hole) @ 153' w/ 75 sx.; 5.5" (8" hole) @ 2834' w/ 400 sx.</i>								
<u>Section 18 Wells</u>								
30-025-11619	[160825] BC OPERATING, INC.	SOUTH LANGLEIE JAL UNIT	#013	Injection	P&A	A-18-25S-37E	3320'	11/3/2006
<i>See CURRENT (P&A) Diagram</i>								
30-025-11617	[160825] BC OPERATING, INC.	SOUTH LANGLEIE JAL UNIT	#017	Oil	P&A	H-18-25S-37E	3336'	9/22/2010
<i>See CURRENT (P&A) Diagram</i>								
30-025-26948	[162683] CIMAREX ENERGY CO. OF COLORADO	E C WINTERS	#002	Gas	P&A	H-18-25S-37E	3030'	
<i>Does NOT Penetrate</i>								
30-025-26293	[160825] BC OPERATING, INC.	SOUTH LANGLEIE JAL UNIT	#028	Oil	P&A	I-18-25S-37E	3612'	10/7/2010
<i>See CURRENT (P&A) Diagram</i>								
30-025-11615	[160825] BC OPERATING, INC.	SOUTH LANGLEIE JAL UNIT	#021	Injection	P&A	I-18-25S-37E	3336'	11/9/2006
<i>See CURRENT (P&A) Diagram</i>								
30-025-11656	[141402] FULFER OIL & CATTLE LLC	SOUTH LANGLEIE JAL UNIT	#020	Oil	Active	J-18-25S-37E	3371'	
<i>8.625" (11.5" hole) @ 300' w/ 150 sx.; 5.5" (7.875" hole) @ 3200' w/ 400 sx</i>								
30-025-11616	[141402] FULFER OIL & CATTLE LLC	SOUTH LANGLEIE JAL UNIT	#025	Oil	Active	P-18-25S-37E	3377'	
<i>10.75" (12.25" hole) @ 142' w/ 100 sx.; 7" (8.75" hole) @ 3310' w/ 300 sx.</i>								

Summary: 18 Wells Penetrate, 9 P&A

KB:

DF:

GL: 3129'

10 SX

Hole size: 12 1/4

8 5/8" , 24 #, csg, @: 184'
w/125 sx25
SXDV Collar @ 1100'
CPTD WITH 100 SX

ROC@ 1537'

Hole size: 7 7/8"

25
SX25
SX

CIBP@: 3250'

5 1/2" , 14 #, H-40 csg, @: 3268'
w/300 sx

TD: 3385'

CHAPARRAL ENERGY, INC.Well: So. Langlie Jal Unit , 10 , 959000--
Operator: Chaparral Energy, Inc.
Location: Lea Co., NM
Legal: Sec. 8-25S-37E

Dir:

Spud Date:
Drilling Finished:
Completion Date:
First Production:**HISTORY:**Formation Tops are:
T. Anhy @ 1072', T. Salt @ 1172', B. Salt @ 2660',
Yates @ 2800', T. Rivers @ 3028', T. Queen @ 3226'.

Proposed Cement Plugs:

1. 25 sx @ 3010' - 3250'.
2. 25 sx @ 2600' - 2840'.
3. 25 sx @ ~~1800' - 1240'~~ 1150' - 1050' PERF/TAG
4. 10 sx @ 46' - Surface.

Input by: Trish
Approved by:
Last Update: 03/29/01

District I - (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II - (575) 748-1283
811 S. First St., Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV - (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources
FEB 1 4 2012
RECEIVED
CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

WELL API NO. 30-025-11647
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name South Langlie Jal Unit
8. Well Number 15
9. OGRID Number 160825
10. Pool name or Wildcat Jalmat Tansil Yates Seven Rivers

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well ☐ Gas Well ☒ Other ☐ TA'd Injector ☒

2. Name of Operator
BC Operating, Inc.

3. Address of Operator
P.O. Box 50820 Midland, Texas 79710

4. Well Location
Unit Letter C : 990 feet from the North line and 1980 feet from the West line
Section 17 Township 25S Range 37E NMPM County Lea

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
3118' DF

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input checked="" type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMPLETION DRILLING OPNS. <input type="checkbox"/>	P AND A <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPL <input type="checkbox"/>	CASING JOBS <input type="checkbox"/>	
DOWNHOLE COMMINGLE <input type="checkbox"/>			
OTHER: <input type="checkbox"/>		OTHER: <input type="checkbox"/>	

13. Describe proposed or completed operations. (Clearly state all pertinent details, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions, include a wellbore diagram of proposed completion or recompletion.

Proposed Procedure:

RIH & set CIBP @ 2710'. Circ plugging mud & spot 25 sx on top of CIBP.

Spot 40 sx @ 1212' & tag.

Spot 15 sx from 60' to surface. DV-tool & TOS

Install PA marker & clean & level location per OCD regulations.

Will notify OCD 24 hours prior to commencing plug & abandon operations.

Perf at 206'. Attempt to Sgz. Cmt to surface. Fill inside & outside 7" CSG.

Spud Date:

02/26/52

Rig Release Date:

03/16/52

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Pam Stevens TITLE Regulatory Analyst DATE 02/09/2012

Type or print name Pam Stevens E-mail address: pstevens@bcoperating.com PHONE: 432-684-9696

For State Use Only

APPROVED BY: Mark Whitman TITLE Compliance Officer DATE 2-21-2012

Conditions of Approval (if any):

FEB 21 2012

Current

LOG ZERO = 8' Above G.L.

G.L. = 3110'

10 3/4", 32' to 156'

(Cmt'd. w/ 150 sys. w/ surf. vels.)

HOLE SIZES

13" 0 - 156'

8 3/4" 156 - 2830'

6 1/4" 2830 - 3217'

4 1/4" 3217 - 3380'

7", 20' SET TO 2830'

(Cmt'd. w/ 200 sys. out shoe)
& 200 sys. out stage collar @ 1162')

5 1/2", 15.5' FLUSH JOINT LINE

from 2753 - 3217'

(Cmt'd. w/ 50 sys. out btm. & SQED.)
top w/ 20 sys.

SOUTH LANGLE TAIL UNIT, 15-WNW

(Formerly So. Cal. Pet. Corp., WOODWORTH B, #3)

JALMAT (OIL) POOL

LEA CO., NEW MEXICO

CRC 11/15/76

"QUEEN" OPEN-HOLE (163')

TD = 3380'

Proposed

LOG ZERO: 8' Above G.L.

G.L.: 3110'

60'

10 3/4" 32° to 156' 206'
(Cmt'd. w/ 150 sys. w/ surf. vels.)

SOUTH LANSIE JAL UNIT, 15-WNW

(Formerly So. Cal. Pet. Corp., WOODWORTH B, #3)

JALMAT (OIL) POOL

LEA CO., NEW MEXICO

HOLE SIZES

13" 0-156'

8 3/4" 156-2830'

6 1/4" 2830-3217'

4 1/4" 3217-3380'

CRC 11/15/76

(25 SX)

25 SX @ 1205'

(25 SX)

25 SX @ 2700'

7", 20° SET TO 2830'
(Cmt'd. w/ 200 sys. out stage)
& 200 sys. out stage collar @ 1162'

5 1/2", 15.5° FLUSH JOINT LINE
from 2753-3217'

(Cmt'd. w/ 50 sys. out b/w. & 50 sys.
top w/ 20 sys.)

CLCR @ 3050'

(40 SX)

"QUEEN" OPEN-HOLE (163')

TD = 3380'

Submit 3 Copies
to Appropriate
District Office

State of New Mexico
Energy Minerals and Natural Resources Department

Form C-103
Revised 1-1-89

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

WELL API NO.

30-025-11646

5. Indicate Type of Lease

STATE ☐

FEE ☒

6. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT"
(FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well:

OIL
WELL ☒

GAS
WELL ☐

OTHER

2. Name of Operator

Texaco Producing Inc

3. Address of Operator

P.O. Box 730 Hobbs, New Mexico 88240

8. Well No.

14

9. Pool name or Wildcat

Jalmat Tansill Yates 7 Rivers

4. Well Location

Unit Letter D : 990 Feet From The North Line and 466 Feet From The West Line

Section 17 Township 25S Range 37E NMPM Lea County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)

3119' KB

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐

PLUG AND ABANDON ☐

TEMPORARILY ABANDON ☐

CHANGE PLANS ☐

PULL OR ALTER CASING ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐

ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐

PLUG AND ABANDONMENT ☒

CASING TEST AND CEMENT JOB ☐

OTHER: ☐

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

03-20-91 Plug & Abandon Well
(See Reverse Side)

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE

L.W. Johnson

TITLE

Engr. Asst.

DATE 05/20/91

TYPE OR PRINT NAME

L.W. Johnson

TELEPHONE NO. (505) 397-0426

(This space for State Use)

APPROVED BY

R. A. Adkins

TITLE

OIL & GAS INSPECTOR

DATE

JUN 10 1991

CONDITIONS OF APPROVAL, IF ANY:

Daily Workover Report

Company: Texaco USA

Well Name: SLJU NO. 14

Date Description Supervisor: L. White

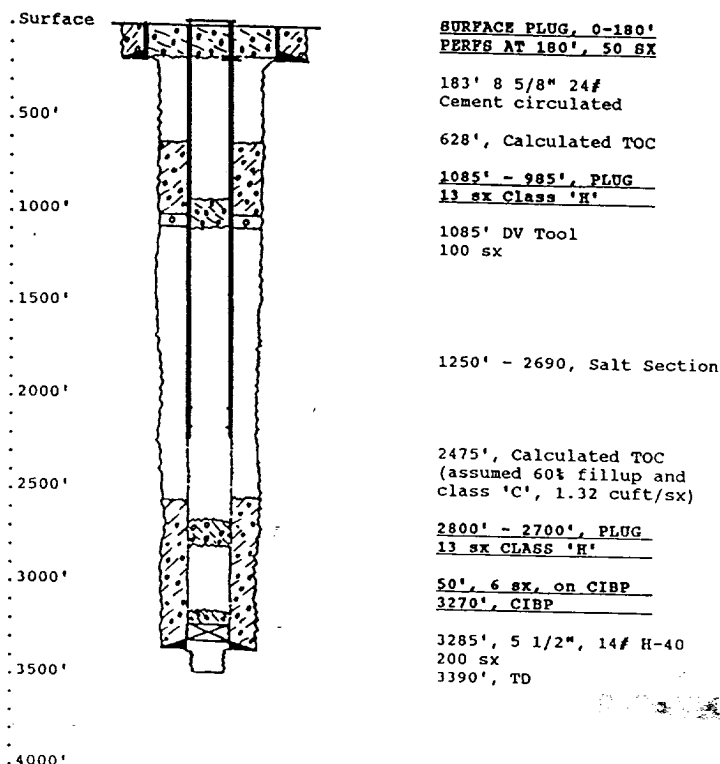
- 03-18-91 MIRU Gene's WS Unit No. 312. ND WH. NU BOP. Held 15 min. Safety meeting to discuss P & A procedure. Rel. tension Pkr. POOH w/63 Jts. 2-3/8" Tbg., SN, & 103 jts. 2-3/8" Tbg. Tag up on CIBP @ 3270'. Laid dwn. 1 Jt. Tbg. CI BOP. MIRU Bliss P & A Equip. SDFN
- 03-19-91 Mixed & pumped 6 sx class "c" cmt. & displ. w/12.6 BMLF. First plug from 3270' to 3211'. POOH & laid dwn. 4 jts. 2-3/8" Tbg. Mixed & pumped 67 BMLF to load hole. POOH & laid dwn. 11 Jts. Tbg. Mixed & pumped 25 sx class "c" cmt. from 3280' to 2862'. Disp. w/10.9 BMLF. POOH & laid dwn. 54 Jts. Tbg. Mixed & pumped 25 sx class "c" cmt. from 3082' to 3395'. Displ. w/4.1 BMLF. POOH & laid dwn. remaining 33 Jts. Tbg. RU WL Truck. RIH w/strip jet to 180' & perf 4 1/4" holes. CI BOP. Pumped 3 Bbl. brine to est. circ. Mixed & pumped 50 sx class "c" cmt. dwn. 5-1/2" Csg. & up 5-1/2" x 8-5/8" annulus to set surface plug. Clean & flushed BOP & lines.
- 03-20-91 RD WS unit . RD P&A Equip.. Had welder cut off WH & "deadmen". Topped out 5-1/2" csg. w/ cmt. Built dry hole marker & installed. on cut off csg.. Moved off equip.. Final report.

Final Report

SLJU #14
Jalmat Queen, 7-R, Yt
9-05-90

Sec 17, T25S, R37E
Unit D, 990FNL, 466FWL
3119' KB

PROPOSED PLUGGING OPERATOR



Hole Sizes: 11" , 0 - 185'
7 7/8", 185 - 3285'
4 3/4", 3285 - 3390'

MAR 22 1991

District I - (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II - (575) 748-1283
811 S. First St., Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87401
District IV - (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM 87505

HOBBS OCD

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

FEB 14 2012

RECEIVED

<p>SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)</p>		<p>WELL API NO. 30-025-11638</p>
<p>1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other <input type="checkbox"/> TA'd Injector <input checked="" type="checkbox"/></p>		<p>5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/></p>
<p>2. Name of Operator BC Operating, Inc.</p>		<p>6. State Oil & Gas Lease No.</p>
<p>3. Address of Operator P.O. Box 50820 Midland, Texas 79710</p>		<p>7. Lease Name or Unit Agreement Name South Langlie Jal Unit</p>
<p>4. Well Location Unit Letter <u>K</u> : <u>2310</u> feet from the <u>South</u> line and <u>2310</u> feet from the <u>West</u> line Section <u>17</u> Township <u>25S</u> Range <u>37E</u> NMPM County <u>Lea</u></p>		<p>8. Well Number <u>23</u></p>
<p>11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3111' DF</p>		<p>9. OGRID Number 160825</p>
<p>10. Pool name or Wildcat Jalmat Tansil Yates Seven Rivers</p>		

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☒
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐
DOWNHOLE COMMINGLE ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENTED DRILLING OPNS. ☐ P AND A ☐
CASIN ☐ JOB ☐

OTHER: ☐

OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple C, attach wellbore diagram of proposed completion or recompletion.

Proposed Procedure: 3138'
RIH & set CIBP @ 2865'. Circ plugging mud & spot 25 sx on top of CIBP.
Spot 40 sx @ 1450' & tag.
~~Spot 15 sx from 60' to surface.~~ Perf at 262'. Attempt to circ cut to surface.
Install PA marker & clean & level location per OCD regulations.

Will notify OCD 24 hours prior to commencing plug & abandon operations.

The Oil Conservation Division Must be notified 24 hours prior to the beginning of plugging operations.

Spud Date:

09/26/51

Rig Release Date:

12/24/51

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Pam Stevens TITLE Regulatory Analyst DATE 02/09/2012

Type or print name Pam Stevens E-mail address: pstevens@bcoperating.com PHONE: 432-684-9696

For State Use Only

APPROVED BY: Mark Whitaker TITLE Compliance Officer DATE 2-21-2012

Conditions of Approval (if any):

FEB 21 2012

Current

LOG ZERO: 9' Above G.L.

Ground Level: 3102'

8 5/8", 24" to 212'

(Cmtd. w/ 125 ss. WITH
SURFACE PLUGS)

How Sizes

0 - 212', 12"

212 - 2792', 7 7/8"

2792 - 3405', 4 3/4"

5 1/2", 14" from 0 - 2792'

(Cmtd. w/ 200 ss. OUT SHOW
w 200 ss. OUT DV tool at 1121')

4" H4000, 9.11" FJ Liner

from 2708 - 3405'

(Cmtd. w/ 80 ss.)

PBTO = 3403'

TO = 3405'

SOUTH LANGUE TAL UNIT, Well #23-WIU

(Formerly So. Cal. Pet. Corp. Woodworth C, #1)

TALMAT (OIL) POOL

LEN CO., NEW MEXICO

Circ. 8/25/77

← 1121'
DV Tool

← INJECTION INTERVAL

3230 - 3372' (51 holes)

Proposed

LOG ZERO: 9' Above G.L.

Ground Level: 3102'

60'

8 5/8", 24" to 212'

(Cmtd. w/ 125 sp. WITH SURFACE RUTS.)

262'



SOUTH LANGUE TAL UNIT, Well #23-101W

(Formerly So. Cal. Pet. Corp. Well #23-101W)

TALMAT (OIL) POOL

LEW CO., NEW MEXICO

Circ. 9123/77

HOUS SIZES

0 - 212', 12"

212 - 2792', 7 7/8"

2792 - 3405', 4 3/4"

← 1121'
OV Tool

25SX @ 1160'

25SX @ 2650'

5 1/2", 14" from 0 - 2792'

(Cmtd. w/ 200 sp. out 7400'
w 200 sp. out OV tool at 1121')

4" 4400, 9.11" FJ Liner

from 2708 - 3405'

(Cmtd. w/ 80 sp.)

INJECTION INTERVAL

← 3238 - 3382' (51 holes)

PBTD: 3403'

TD: 3405'

Submit 1 Copy To Appropriate District
Office
District I - (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II - (575) 748-1283
811 S. First St., Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV - (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM
87505

State of New Mexico
Energy, Minerals and Natural Resources
HOBBS
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505
FEB 14 2012
RECEIVED

Form C-103
Revised August 1, 2011

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		WELL API NO. 30-025-11645
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other TA'd Injector <input type="checkbox"/>		5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
2. Name of Operator BC Operating, Inc.		6. State Oil & Gas Lease No.
3. Address of Operator P.O. Box 50820 Midland, Texas 79710		7. Lease Name or Unit Agreement Name South Langlie Jal Unit
4. Well Location Unit Letter M : 330 feet from the South line and 330 feet from the West line Section 17 Township 25S Range 37E NMPM County Lea		8. Well Number 26
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3092' DF		9. OGRID Number 160825
		10. Pool name or Wildcat Jalmat Tansil Yates Seven Rivers

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☒
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐
DOWNHOLE COMMINGLE ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENTS ☐ P AND A ☐
CASING ☐

OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and g... dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completion... wellbore diagram of proposed completion or recompletion.

Proposed Procedure:

RIH & set CIBP @ 3140'. Circ plugging mud & spot 25 sx on top of CIBP. (BOS)
Spot 40 sx @ 1450' & tag. (TOS & DV TOOL)
Spot 15 sx from 60' to surface. Perf at 216'. Attempt to circ cnt to surface.
Install PA marker & clean & level location per OCD regulations. (inside & outside)

Will notify OCD 24 hours prior to commencing plug & abandon operations.

Spud Date:

08/01/53

Rig Release Date:

08/26/53

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Pam Stevens TITLE Regulatory Analyst DATE 02/09/2012

Type or print name Pam Stevens E-mail address: pstevens@bcoperating.com PHONE: 432-684-9696

For State Use Only

APPROVED BY: Mark Whitaker TITLE Compliance Officer DATE 2-21-2012

Conditions of Approval (if any):

FEB 21 2012

KB: 3093'

DF: 3092'

GL: 3084'

10 3/4", 32.75#,
w/150 sx

csg, @: 166'

DV COLLAR @ 1160'
CMTD WITH 150 SX

1500'

TOC@ 2000'

Hole size: 7 7/8"

3190' - 3264' 7 Rivers

5 1/2", 15.5 #, J-55 csg, @: 3285'
w/250 sx

TD: 3365'

CHAI RRAL ENERGY, INC.Well: So. Langlie Jal Unit , 26 , 959000--
Operator: Chaparral Energy, Inc.
Location: Lea Co., NM
Legal: Sec. 17-258-37E

Dir:

Spud Date:
Drilling Finished:
Completion Date:
First Production:**HISTORY:****FORMATION TOPS:**QUEEN @ 3210', 7 RIVERS @ 3070', YATES @ 2797',
B SALT @ 2705', T. SALT @ 1208', ARMY @ 1030'.Input by: Trish
Approved by:
Last Update: 03/28/01**Current**

KB: 3093'

DF: 3092'

GL: 3084'

CHAI RRAL ENERGY, INC.

Well: So. Langlie Jal Unit ,26 ,959000--
Operator: Chaparral Energy, Inc.
Location: Lea Co., NM
Legal: Sec. 17-25S-37E

Dir:

Spud Date:

Drilling Finished:

Completion Date:

First Production:

HISTORY:**FORMATION TOPS:**

QUEEN @ 3210', 7 RIVERS @ 3070', YATES @ 2797',
B SALT @ 2705', T. SALT @ 3208', ANHY @ 1030'.

10 3/4", 32.75#, csg, @:166'
w/150 sx

35 SX @ 216'

DV COLLAR @ 1160'
CMTB WITH 150 SX

TOCG 2000'

25 SX

25 SX @ 1208'

Hole size: 7 7/8"

25 SX

25 SX @ 2705'

CRetainer @ 3020'

40 SX

3190' - 3264' 7 Rivers

5 1/2", 15.5 #, J-55 csg, @:3285"
w/250 sx

TD: 3365'

Input by: Trish

Approved by:

Last Update: 03/28/01

Proposed

Submit 3 Copies To Appropriate District Office
District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Ave., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-103
Revised March 25, 1999

WELL API NO. 30-025-11619
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name: South Langlie FAL Unit
8. Well No. 13-W1W
9. Pool name or Wildcat Langlie Mathis

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well:

Oil Well ☐ Gas Well ☒ Other ☐

W1W

2. Name of Operator

Smith & Marrs Inc

3. Address of Operator

Box 863 Kermit, TX. 79745

4. Well Location

Unit Letter **A** : **990** feet from the **EAST** line and **990** feet from the **North** line

Section

18

Township

25S

Range

37E

NMPM

County

Lea

10. Elevation (Show whether DR, RKB, RT, GR, etc.)

11. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐

PLUG AND ABANDON ☒

TEMPORARILY ABANDON ☐

CHANGE PLANS ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPLETION ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐

ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐

PLUG AND ABANDONMENT ☐

CASING TEST AND CEMENT JOB ☐

OTHER: ☐

12. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompilation.

Set C18P@ 3100

Spot 25x46 @ 3100-2900

Spot 25x45 @ 2630-2500

Spot 25x45 @ 1630-1430

Perf@ 351'

Squeeze 40 5x5 @ 351-251' & tag

Spot 10 5x5 @ 50' to surface

INSTALL DRY Hole Marker - Cir 10" MUD

THE OIL CONSERVATION DIVISION MUST
BE NOTIFIED 24 HOURS PRIOR TO THE
BEGINNING OF PLUGGING OPERATIONS.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE

Rick Smith

TITLE

Pres

DATE

9-6-06

Type or print name

Rick Smith

Telephone No. **432-586-3076**

(this space for State use)

APPROVED BY

Harry W. Wink

OG FIELD REPRESENTATIVE II/STAFF MANAGER

DATE

SEP 14 2006

Conditions of approval, if any:

LOG ZERO = 7' ABOVE G.L.

GL = 3106'

8 5/8", 24# to 301'
(Cm'd. w/ 200 SYS. WITH
SURFACE RETURNS)

HOLE SIZES
13 3/4", 0 - 301'
7 7/8", 301 - 3320'

5 1/2", 14# to 3230'
(Cm'd. w/ 200 SYS. OUT SHOE
+ 200 SYS. OUT 2 STAGE
TOOL AT 1580')

SOUTH LAGLIE JAL UNIT, #13-WIW
(Formerly DALPORT'S, WINTERS 'E', #2)
JALMAT (OIL) FIELD
LEA CO., NEW MEXICO

CRC 11/6/76

1580', 2 STAGE TOOL

TD - 3230'

Office:

Energy, Minerals and Natural Resources

June 19, 2008

District I

1625 N. French Dr., Hobbs, NM 88240

District II

1301 W. Grand Ave., Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

1220 S. St. Francis Dr., Santa Fe, NM 87505

RECEIVED

JUL 09 2010

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

HOBBSOCD

WELL API NO.

30-025-11617

5. Indicate Type of Lease

STATE ☐ FEE ☒

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name

South Langlie Jal Unit

8. Well Number 17

9. OGRID Number

160285

160825

10. Pool name or Wildcat

Langlie Mattix Seven Rivers-Queen-GB

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐

2. Name of Operator

B C Operating, Inc

3. Address of Operator

P O Box 50820 Midland, TX 79710

4. Well Location

Unit Letter H : 2310' feet from the North line and 330' feet from the East lineSection 18 Township 25S Range 37E NMPM Lea County

11. Elevation (Show whether DR, RKB, RT, GR, etc.)

3090' RT

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☒
 TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
 PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐
 DOWNHOLE COMMINGLE ☐

OTHER ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
 COMMENCE DRILLING OPNS. ☐ P AND A ☐
 CASING/CEMENT JOB ☐

OTHER ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

1. RIH w/ CIBP set @ 3321', circulate plugging mud, spot 40' sx on top, tag above 2978'.
2. Spot 25 sx @ 1453' → Spot 25 sx cmt plug @ 2674'
3. Spot 25 sx @ 1227' 35 sx → Perf & SQ 35 sx cmt @ 1250' WOC/TAG
4. Perf & SQ 25 sx @ 366', tag WOC - TAG
5. Perf & circulate 35 sx from 60' to surface.
6. Cut off wellhead and anchors, clean location.

Spud Date:

2/22/07

Rig Release Date:

3/21/07

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE

Tami Parker

TITLE

Regulatory Analyst

DATE 7/6/10

Type or print name

Tami Parker

E-mail address: tparker@blackoakres.com

PHONE: (432) 684-9696

For State Use Only

APPROVED BY

T. Gonzalez

TITLE

STAFF MGR

DATE

7-13-10

Conditions of Approval (if any):

RM

SLJU #17

LEASE & WELL NO. South Langlie Jal Unit #17
 FIELD NAME Langlie Mattix Seven Rivers -Queen-GB
 LOCATION 2310' FNL & 330' FEL, UL H Sec 18 T25S-R37E

Also Known As Winters D #1
 COUNTY & STATE Lea Co., New Mexico
 API NO. 30-025-11617

K.B. ELEV. _____
 D.F. ELEV. _____
 GROUND LEVEL 3080'

SURFACE CASING
 SIZE 10-3/4" WEIGHT 32.75# DEPTH 316'
 GRADE _____ SX. CMT. 200 sx TOC @ Surf
INTERMEDIATE CASING
 SIZE _____ WEIGHT _____ DEPTH _____
 GRADE _____ SX. CMT. _____ TOC @ _____

WELL HISTORY

COMPLETION DATE: 3/10/53

CURRENT COMPLETION

Formation Tops MD

Anhydrite	1149'
Top Salt	1246'
Base Salt	2674'
Yates	2814'
7 Rivers	3025'
Queen	3177'

5-1/2" liner 3078-3596' cmt w/ 50 x

TS @ 1246

TOC @ 1340' TS

BS @ 2674

7" @ 3200'

Original Open Hole Completion - 1953
 3200-3336'
 Deepened to 3596'-2007
 Perf 3371-3485'

PRODUCTION CASING
 SIZE 7" WEIGHT 23# DEPTH 3200'
 GRADE J-55 SX. CMT. 400 sx TOC @ 1340'
 PBTD@ _____
 TD@ 3596'

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

WELL API NO.

30-025-26293

5. Indicate Type of Lease

STATE ☐ FEE ☒

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name

South Langlie Jal Unit

8. Well Number

28

9. OGRID Number

160825

10. Pool name or Wildcat

Jalmat Tansill Yates Seven Rivers

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐

2. Name of Operator

B C Operating, Inc.

3. Address of Operator

P.O. Box 50820 Midland, TX 79710

4. Well Location

Unit Letter I : 1923 feet from the South line and 1111 feet from the East lineSection 18 Township 25S Range 37E NMPM Lea County

11. Elevation (Show whether DR, RKB, RT, GR, etc.)

3096' GR, 3104' KB

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☒TEMPORARILY ABANDON ☐ CHANGE PLANS ☐PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐DOWNHOLE COMMINGLE ☐OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐COMMENCE DRILLING OPNS. ☐ P AND A ☐CASING/CEMENT JOB ☐OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

1. Set CIBP @ 3194' - circulate w/plugging mud - spot 25 sks on top of CIBP

2. Spot 25 sks @ 2864'

3. Spot 25 sks @ 1296'

4. Spot 25 sks @ 685' - Tag

5. Circulate 15 sks from 60' to surface

6. Cut off well head on anchors - level location

The Oil Conservation Division **Must be notified****24 hours prior** to the beginning of plugging operations

Spud Date:

4/3/79

Rig Release Date:

4/17/79

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE

TITLE

Regulatory Analyst

DATE 8/12/10

Type or print name

Star L. Harrell

E-mail address:

sharrell@blackoakres.com

PHONE: 432-684-9696

For State Use Only

APPROVED BY:

TITLE

DISTRICT 1 SUPERVISOR

DATE

SEP 22 2010

Conditions of Approval (if any):

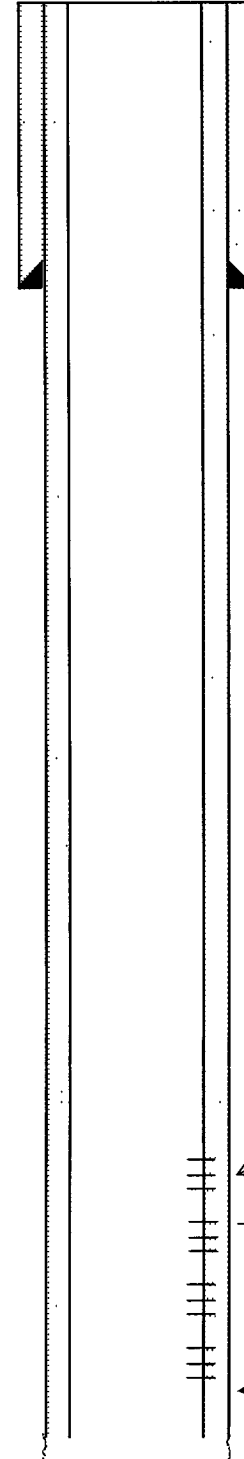
SLJU #28

LEASE & WELL NO. South Langlie Jal Unit #28
 FIELD NAME Langlie Mattix Seven Rivers -Queen-GB
 LOCATION 1923' FSL & 1111' FEL, UL I Sec 18 T25S-R37E

Also Known As
 COUNTY & STATE Lea Co., New Mexico
 API NO. 30-025-26293

K.B. ELEV. 3104'
 D.F. ELEV.
 GROUND LEVEL 3096'

CURRENT COMPLETION



Formation Tops MD

Anhydrite	1149'
Top Salt	1246'
Base Salt	2674'
Yates	2814'
7 Rivers	3025'
Queen	3177'

SURFACE CASING

SIZE	<u>8-5/8"</u>	WEIGHT	<u>24#</u>	DEPTH	<u>635'</u>
GRADE	<u></u>	SX. CMT.	<u>400 sx</u>	TOC @	<u>Surf</u>

INTERMEDIATE CASING

SIZE	<u></u>	WEIGHT	<u></u>	DEPTH	<u></u>
GRADE	<u></u>	SX. CMT.	<u></u>	TOC @	<u></u>

WELL HISTORY

COMPLETION DATE: 6/11/79

PRODUCTION CASING

SIZE	<u>5-1/2"</u>	WEIGHT	<u>15.5#</u>	DEPTH	<u>3612'</u>
GRADE	<u>J-55</u>	SX. CMT.	<u>800 sx</u>	TOC @	<u>Surface</u>

PBTD@ 3400'
 TD@ 3612'

Re-Perf 3244-3348'

acidized w/ 1050 gals 15% HCl & 1
 frac w/ 16,000 gals Versagel + 14,
 & 6000# 10/20 sand.

Perf'd 3244-3522' - squeezed w/ 550 sx (5/

SLJU #28

LEASE & WELL NO. South Langlie Jal Unit #28
 FIELD NAME Langlie Mattix Seven Rivers -Queen-GB
 LOCATION 1923' FSL & 1111' FEL, ULI Sec 18 T25S-R37E

Also Known As _____
 COUNTY & STATE Lea Co., New Mexico
 API NO. 30-025-26293

K.B. ELEV. 3104'
 D.F. ELEV. _____
 GROUND LEVEL 3096' Circ 15 sx cmt 60'-0'

SURFACE CASING
 SIZE 8-5/8" WEIGHT 24# DEPTH 635'
 GRADE _____ SX. CMT. 400 sx TOC @ Surf
INTERMEDIATE CASING
 SIZE _____ WEIGHT _____ DEPTH _____
 GRADE _____ SX. CMT. _____ TOC @ _____

WELL HISTORY

COMPLETION DATE: 6/11/79

PROPOSED P&A

Formation Tops MD

Anhydrite	1149'
Top Salt	1246'
Base Salt	2674'
Yates	2814'
7 Rivers	3025'
Queen	3177'

Spot 25 sx cmt @ 685'

Spot 25 sx cmt @ 1296'

Spot 25 sx cmt @ 2864'

CIBP @ 3194' w/ 25 sx cmt on top

Re-Perf 3244-3348'

acidized w/ 1050 gals 15% HCl & 1
 frac w/ 16,000 gals Versagel + 14,
 & 6000# 10/20 sand

Perf'd 3244-3522' - squeezed w/ 550 sx (5/

PRODUCTION CASING
 SIZE 5-1/2" WEIGHT 15.5# DEPTH 3612'
 GRADE J-55 SX. CMT. 800 sx TOC @ Surface
 PBTD@ 3400'
 TD@ 3612'

Submit 3 Copies To Appropriate District
Office
District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Ave., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM
87505

State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-103
Revised March 25, 1999

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		WELL API NO. 30-025-11615
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> WIW		5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
2. Name of Operator Smith & Marrs Inc.		6. State Oil & Gas Lease No.
3. Address of Operator Box 863 Kermit, TX. 79745		7. Lease Name or Unit Agreement Name: South Langlie FAL Unit
4. Well Location Unit Letter I : 330 feet from the East line and 2310 feet from the South line Section 18 Township 25-S Range 37-E NMPM County Lea		8. Well No. 21-WIW
10. Elevation (Show whether DR, RKB, RT, GR, etc.)		9. Pool name or Wildcat Langlie Mattie

11. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data	
NOTICE OF INTENTION TO: PERFORM REMEDIAL WORK <input type="checkbox"/> PLUG AND ABANDON <input checked="" type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/> PULL OR ALTER CASING <input type="checkbox"/> MULTIPLE COMPLETION <input type="checkbox"/> OTHER: <input type="checkbox"/>	SUBSEQUENT REPORT OF: REMEDIAL WORK <input type="checkbox"/> ALTERING CASING <input type="checkbox"/> COMMENCE DRILLING OPNS. <input type="checkbox"/> PLUG AND ABANDONMENT <input type="checkbox"/> CASING TEST AND CEMENT JOB <input type="checkbox"/> OTHER: <input type="checkbox"/>

12. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Set CIBP@ 3000' - Spot Dump 35' cement on top
Set CIBP@ 2700' - Spot 35' x 45' on top - 2600' (SALT)
Spot 35' x 45' @ 1210' - 1000' (SALT) & tag
Perf @ 210' - Squeeze 70' x 45' @ 210' - SURFACE

**THE OIL CONSERVATION DIVISION MUST
BE NOTIFIED 24 HOURS PRIOR TO THE
BEGINNING OF PLUGGING OPERATIONS.**



Install DRY Hole Marker - Cir. 10th MVD
I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE [Signature] TITLE Pres DATE 9-6-06

Type or print name Rickey Smith Telephone No. 432-586-3076
(This space for State use)

APPROVED BY [Signature] OC FIELD REPRESENTATIVE II/STAFF MANAGER
TITLE _____ DATE SEP 14 2006
Conditions of approval, if any:

LOG ZERO: 9' above G.L.

G.L. = 3095'

10 3/4", 32.75' csg to 159'

(CMTD. w/ 115 txs. w/ surface)
RETURNS

HOLES SIZES

0 - 160', 12 1/4"

160 - 3168', 8 3/4"

3168 - 3336', 6 1/4"

SOUTH LAGLIE JAL UNIT, WELL # 21 - WTH

(DUAL w/ VOSBURG #1 - YATES Cns T.A.2)

(Formerly So. Cal. Pet. Corp., VOSBURG, #1)

LANGLIE MATTIX FIELD

LEA CO., NEW MEXICO

CRC 8/19/77

"YATES"

2770' - 4 holes

2792 - 2828', 144 holes

2838 - 68', 144 holes

2878 - 2900', 88 holes

← RKR at 3081'

7", 20123' to 3168'

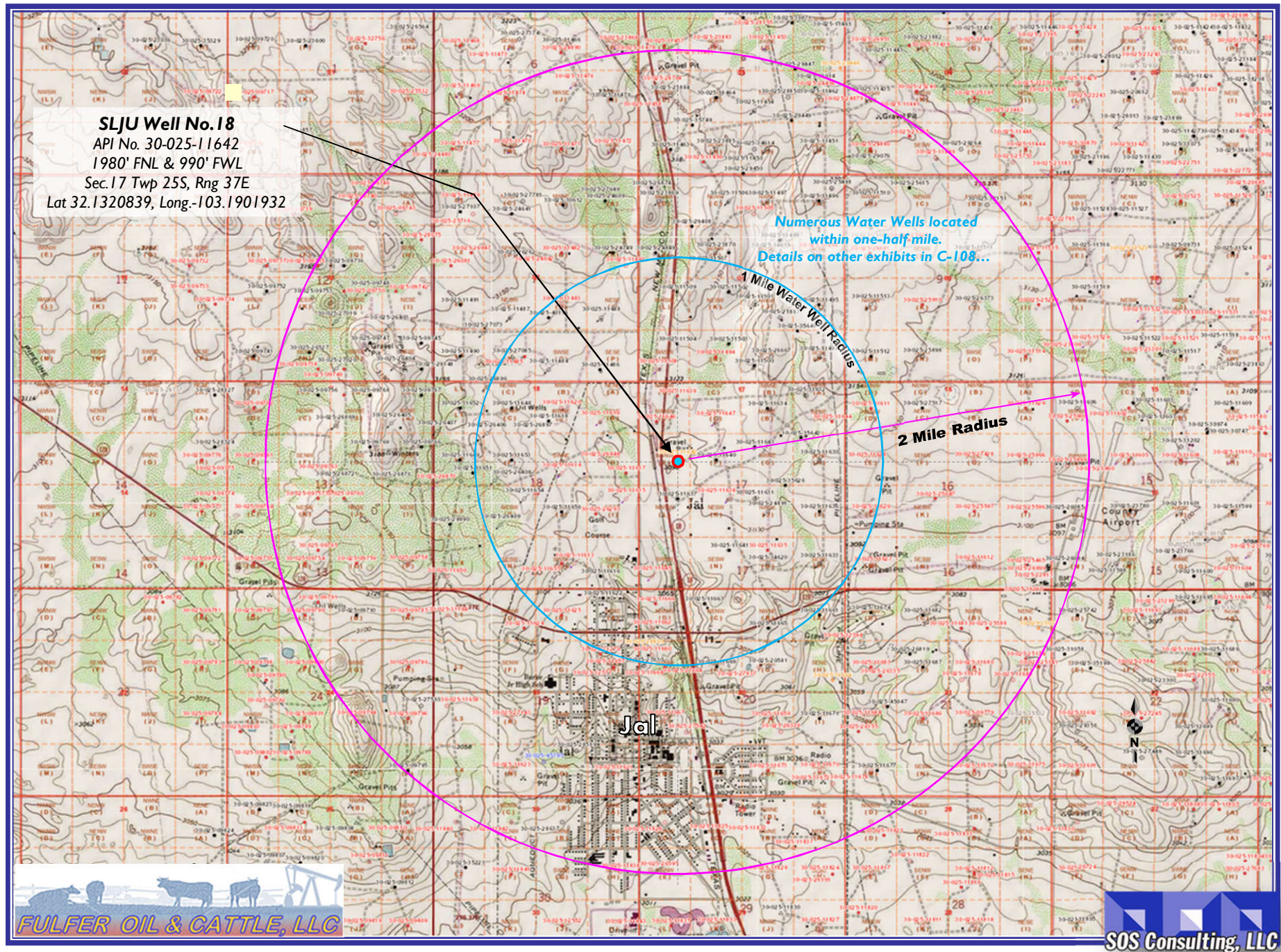
(CMTD. w/ 200 txs. OUT SHOW
+ 100 txs. OUT DV Tool at 1052')

← "7 RIVERS" OPEN-HOLE

TD. 3336'

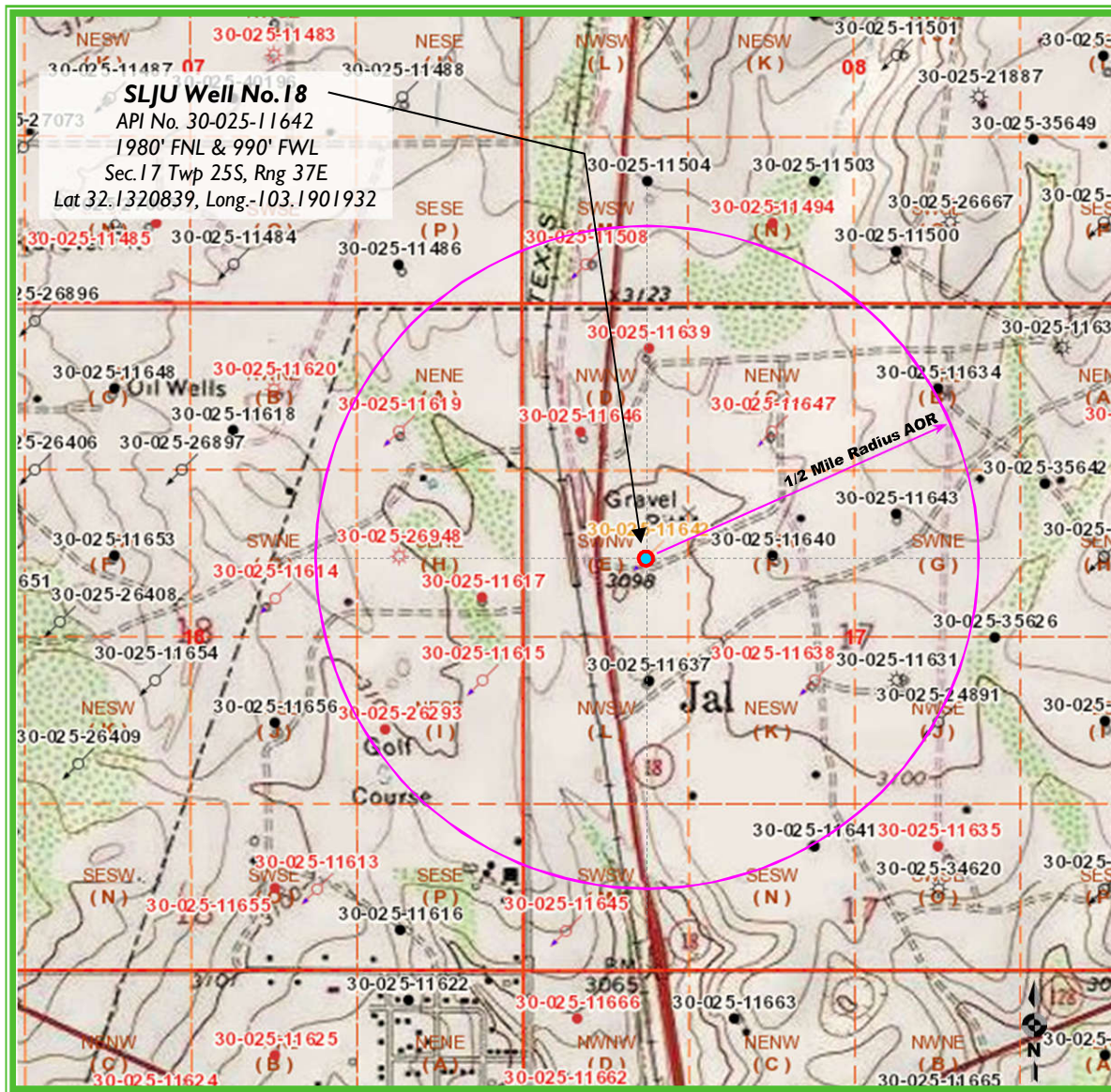
South Langlie Jal Unit No.18 - Area of Review / 2 Miles

(Attachment to NMOCD Form C-108 - Item V)

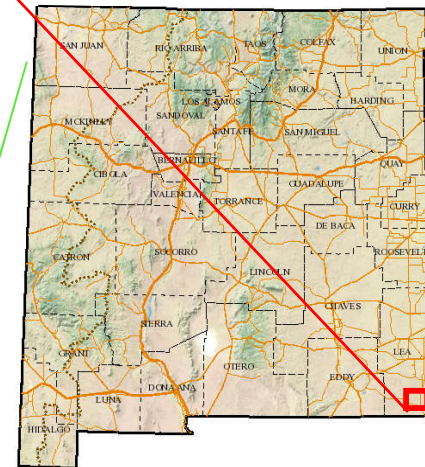


South Langlie Jal Unit No.18 - Area of Review / Overview Map

(Attachment to NMOCD Form C-108 - Item V)



~1.0 miles North of Jal, NM



Lea County, New Mexico



C-108 ITEM X

LOGS and AVAILABLE TEST DATA

A log strip from the subject well is attached
With annotations.

LOG STRIP FOLLOWS

CHAPARRAL ENERGY INC

SOUTH LANGLE JAL UNIT # 18

Page 1
Header

30-025-11642

LANE RADIOACTIVITY LOG WELLS

COMPANY

FILE NO

Location of Well <i>Unit #18</i> 3097' O.L. 3101' D.P.	COMPANY: CULBERTSON & IRWIN, INC. WELL: WOODNORTH "B" NO. 4 FIELD: LANGLE MATTHE COUNTY: LEA STATE: N.M. LOCATION: 1980' FS OF NL 990' E OF WL SEC. 17 - 25 S - 37 E		COMPANY: CULBERTSON & IRWIN, INC. WELL: WOODNORTH "B" NO. 4 FIELD: LANGLE MATTHE COUNTY: LEA STATE: N.M. LOCATION:	
	LOG MEAS. FROM ROTARY TABLE ELEV. 3105' DRLG. MEAS. FROM ROTARY TABLE ELEV. 3105' PERM DATUM 7" BRADEN HEAD ELEV. 3095'			
TYPE OF LOG RUN NO DATE TOTAL DEPTH (DRILLER) BACK EFFECTIVE DEPTH (DRILLER) TOP OF LOGGED INTERVAL BOTTOM OF LOGGED INTERVAL TYPE OF FLUID IN HOLE FLUID LEVEL MAXIMUM RECORDED TEMP. NEUTRON SOURCE STRENGTH & TYPE SOURCE SPACING - IN. LENGTH OF MEASURING DEVICE - IN. O.D. OF INSTRUMENT - IN. TIME CO: START - SECONDS LOGGING SPEED FT. MIN STATISTICAL VARIATION - IN. SENSITIVITY REFERENCE RECORDED BY WITNESSED BY	GAMMA RAY 1 N.W. 4-6-52 3395' 3395' 2600' 3397' OIL FULL 36" 3 5/8" 6 40 274 STEWART MANNON	NEUTRON 1 N.W. 4-7-52 3395' 3395' 2600' 3397' OIL FULL 600N 8.25" 9" 3 5/8" 3.2 35 275 STEWART MANNON		

CASING RECORD

--- INTERVAL ---

RUN NO.	BIT SIZE	CASING	WT. LB.	FROM WELL RECORD	FROM R A LOG
1		7"		8070' TO 2816'	TO
1	6 1/8"			2816' TO 3395'	TO 3399'
				TO	TO
				TO	TO
				TO	TO

GAMMA RAY



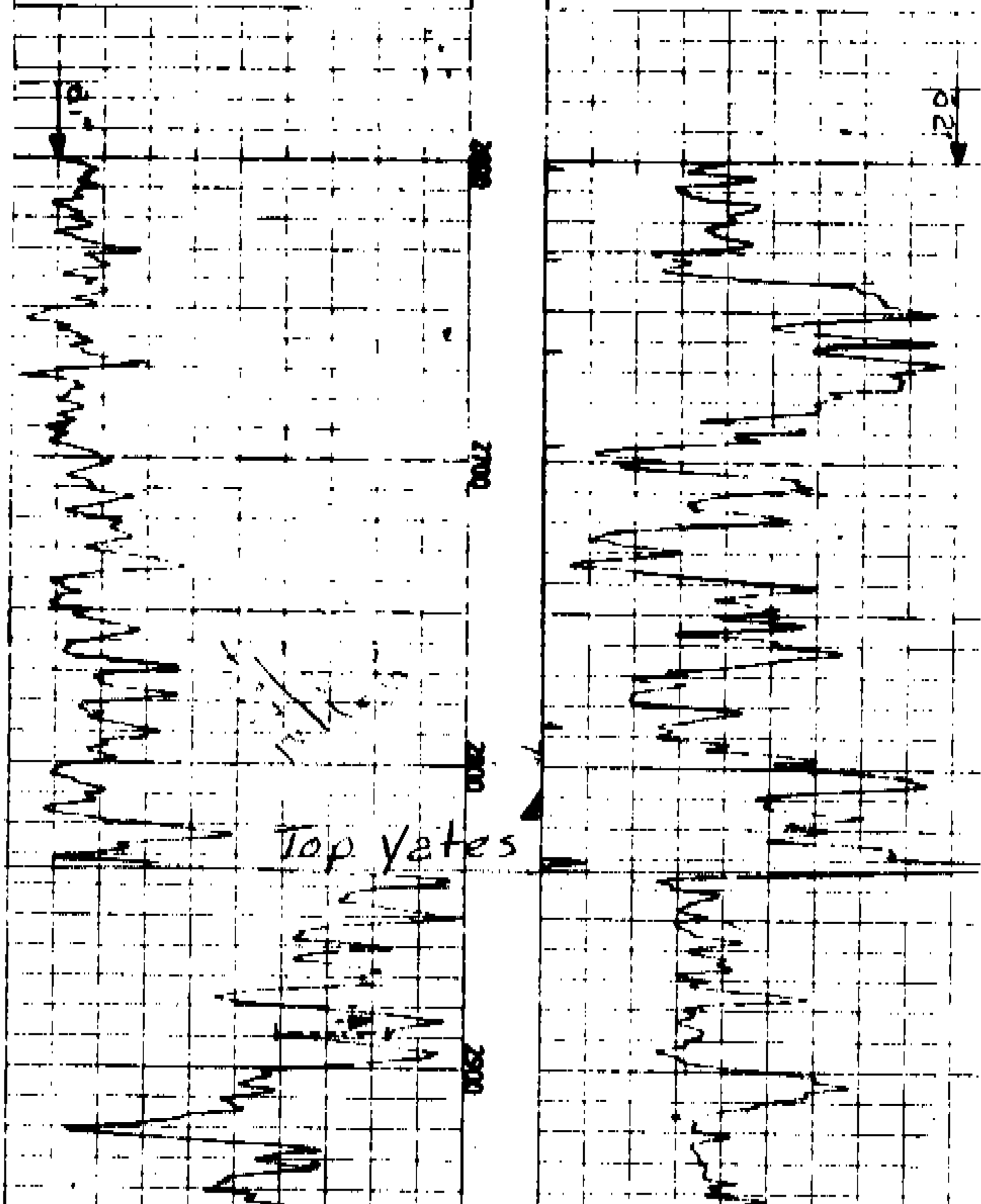
RADIATION INTENSITY INCREASES

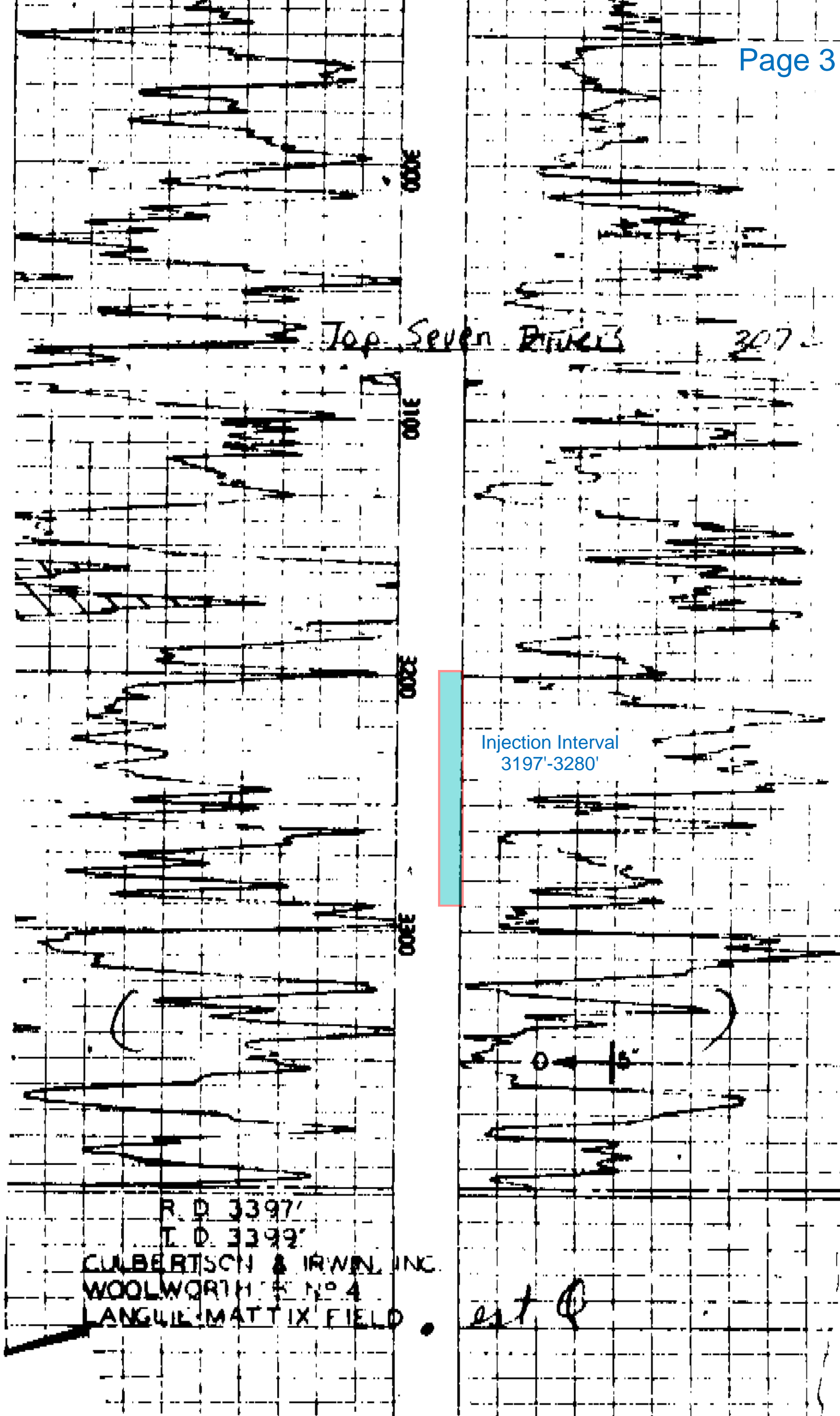
CASINO 1
CORREL LOG
DEPTH

NEUTRON



RADIATION INTENSITY INCREASES





C-108 ITEM VII – PROPOSED OPERATION

The South Langlie Jal Unit Well No.18 will be operated as a private disposal well to service on-lease Fulfer operations. Source and disposal zone is the same Seven Rivers and Queen formation waters.

(Note: This well was previously authorized as an injector by OCD Order R-4022.)

The system will be closed utilizing a tank battery facility located on the well site with flowlines from the serviced wells – currently just 5 wells.

Injection pressure will be 639 psi with rates limited only by that pressure but expected to be ***less than 300 bwpd*** for the foreseeable future.

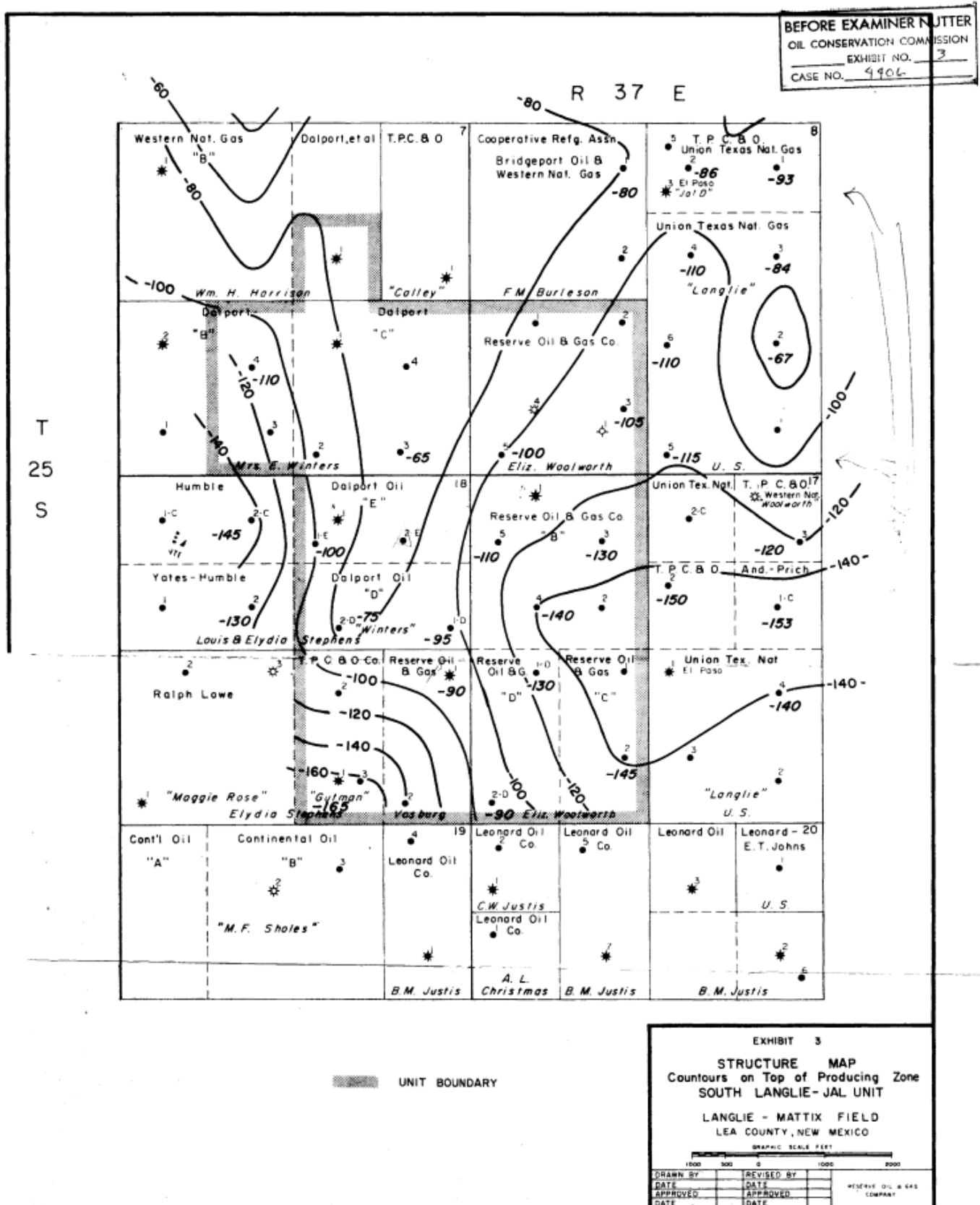
Approval of this application will help to keep disposal transports off the roads and enhance public safety.

Routine maintenance will be ongoing and any releases will be reported within 24 hours to OCD on form C-141 pursuant to various portions of 19.15.30 NMAC.

The facility will not be manned but will be available for inspections at any time deemed necessary by OCD.

C-108 – Item VIII

Geologic Information Contours

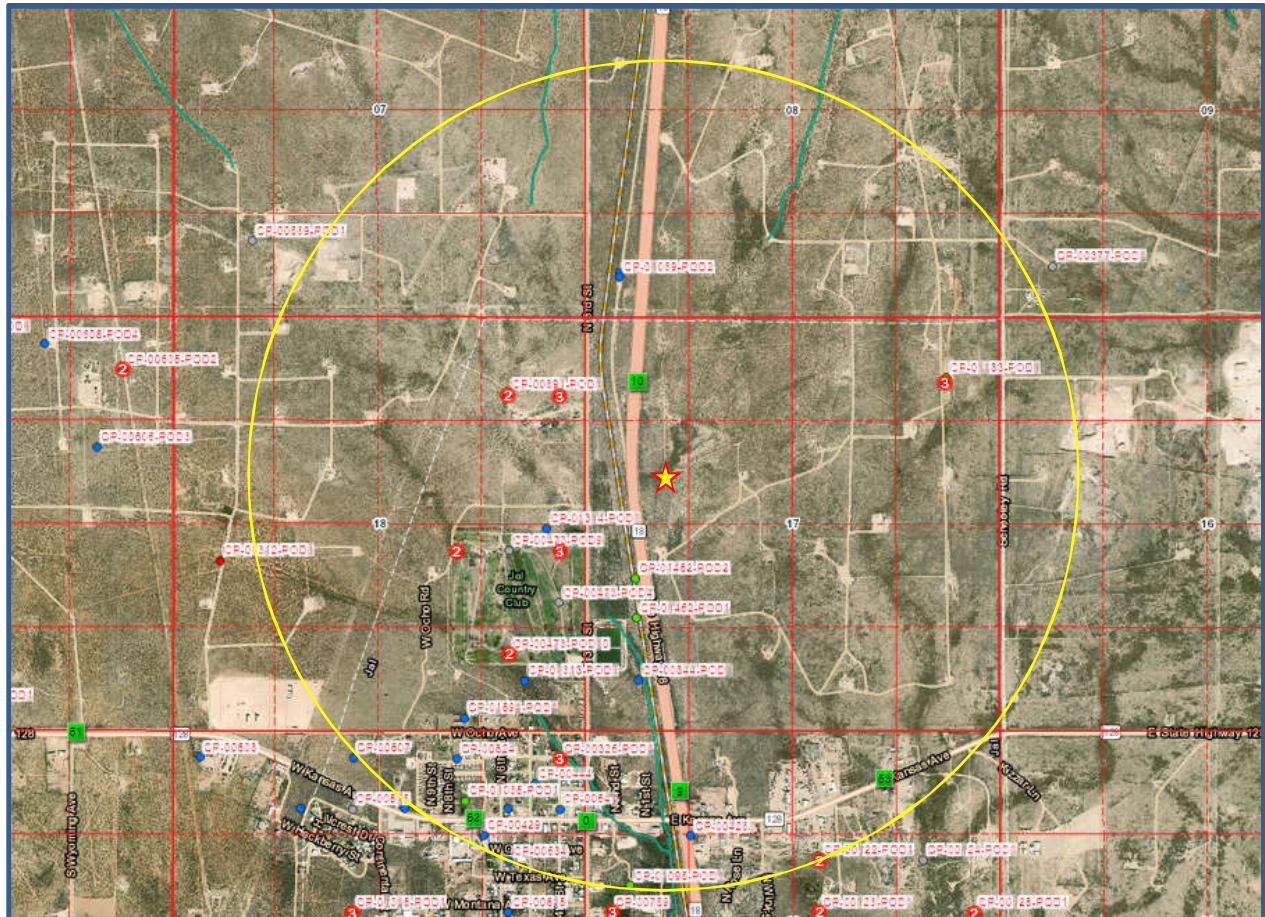


C-108 Item XI

Water Wells Within One Mile

South Langlie Jal Unit No.18 - Water Well Locator Map

NM State Engineer's records indicate numerous water wells located within one mile of the proposed injection well. One or two will be sampled and analysis will be forwarded upon receipt.





New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)



























(R=POD has been replaced,
O=orphaned,
C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q Q Q						X	Y	Depth Well	Depth Water	Water Column	
				64	16	4	Sec	Tws	Rng						
CP 00120 POD1		CP	LE	3	3	2	20	25S	37E	671343	3554816*		460		
CP 00121 POD1		CP	LE	1	3	2	20	25S	37E	671343	3555016*		510		
CP 00124 POD1	R	CP	LE	1	4	2	20	25S	37E	671745	3555023*		530		
CP 00124 POD2		CP	LE	4	4	2	20	25S	37E	671945	3554823*		530	360	170
CP 00426		CP	LE				20	25S	37E	671257	3554701*		235	70	165
CP 00428		CP	LE			1	20	25S	37E	670841	3555104*		90	60	30
CP 00429		CP	LE			2	19	25S	37E	670037	3555091*		142	37	105
CP 00444		CP	LE		2	2	19	25S	37E	670231	3555298*		101	50	51
CP 00460		CP	LE	3	1	2	19	25S	37E	669728	3555191*		128	63	65
CP 00473 POD1		CP	LE	1	4	4	18	25S	37E	670122	3555800*		100		
CP 00473 POD10		CP	LE	1	4	4	18	25S	37E	670122	3555800*		100	48	52
CP 00473 POD2		CP	LE	3	2	4	18	25S	37E	670115	3556002*		100	62	38
CP 00473 POD3		CP	LE	2	2	4	18	25S	37E	670315	3556202*		100		
CP 00473 POD4		CP	LE	4	2	4	18	25S	37E	670315	3556002*		100		
CP 00473 POD5		CP	LE	2	2	4	18	25S	37E	670315	3556202*		100		
CP 00473 POD6		CP	LE	2	1	4	18	25S	37E	669913	3556196*		100	55	45
CP 00473 POD7		CP	LE	2	2	4	18	25S	37E	670315	3556202*		100		
CP 00473 POD8		CP	LE	2	1	4	18	25S	37E	669913	3556196*		100		
CP 00473 POD9		CP	LE	1	2	4	18	25S	37E	670115	3556202*		100	65	35
CP 00515		CP	LE	3	4	2	19	25S	37E	670137	3554795*		72	42	30
CP 00524		CP	LE	2	1	2	19	25S	37E	669928	3555391*		86	68	18
CP 00524 CLW473863	O	CP	LE			2	19	25S	37E	670037	3555091*		80	69	11
CP 00533		CP	LE	4	4	1	19	25S	37E	669533	3554782*		78	40	38
CP 00534		CP	LE	1	4	2	19	25S	37E	670137	3554995*		70	40	30
CP 00541		CP	LE	4	2	2	19	25S	37E	670330	3555197*		100	38	62
CP 00557		CP	LE	3	3	3	20	25S	37E	670553	3553997*		350	42	308

*UTM location was derived from PLSS - see Help


















(A CLW##### in the
POD suffix indicates the
POD has been replaced
& no longer serves a
water right file.)

(R=POD has
been replaced,
O=orphaned,
C=the file is
closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest) (NAD83 UTM in meters)

(In feet)

POD Number	POD		Q Q Q							X	Y	Depth Well	Depth Water	Water Column
	Sub-Code	basin	County	64	16	4	Sec	Tws	Rng					
CP 00565	CP	LE	3	2	1	19	25S	37E	669325	3555185*		141		
CP 00607	CP	LE	2	2	1	19	25S	37E	669525	3555385*		90	60	30
CP 00608	CP	LE	1	1	1	19	25S	37E	668930	3555378*		235		
CP 00619	CP	LE		1	3	20	25S	37E	670647	3554501*		48	25	23
CP 00620	CP	LE	3	3	1	20	25S	37E	670539	3554802*		59	25	34
CP 00661	CP	LE	3	3	1	20	25S	37E	670539	3554802*		38	23	15
CP 00710	CP	LE	3	2	2	19	25S	37E	670130	3555197*		90	40	50
CP 00777	CP	LE			3	20	25S	37E	670855	3554299*		100	28	72
CP 00789	CP	LE	3	3	1	20	25S	37E	670539	3554802*		360	255	105
CP 00841	CP	LE	3	3	4	19	25S	37E	669750	3553984*		275	235	40
CP 00844 POD1	CP	LE		3	3	17	25S	37E	670626	3555707*				
CP 01275 POD1	CP	LE		2	2	17	25S	37E	671800	3556883		35		
CP 01275 POD2	CP	LE		2	2	17	25S	37E	671800	3556883		40		
CP 01275 POD3	CP	LE		2	2	17	25S	37E	671800	3556883		37		
CP 01312 POD1	CP	LE				18	25S	37E	668996	3556141		500		
CP 01313 POD1	CP	LE		4	4	18	25S	37E	670185	3555697		495	275	220
CP 01314 POD1	CP	LE	4	4	2	18	25S	37E	670261	3556290		494	300	194

Average Depth to Water: **91 feet**

Minimum Depth: **23 feet**

Maximum Depth: **360 feet**

Record Count: 43

PLSS Search:

Section(s): 17, 18, 19, 20

Township: 25S

Range: 37E

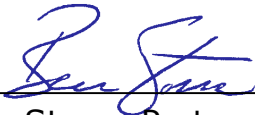
*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

C-108 ITEM XII

Geologic Affirmation

We have examined available geologic and engineering data and have found no evidence of open faults or other hydrologic connection between the disposal interval and any underground sources of drinking water.

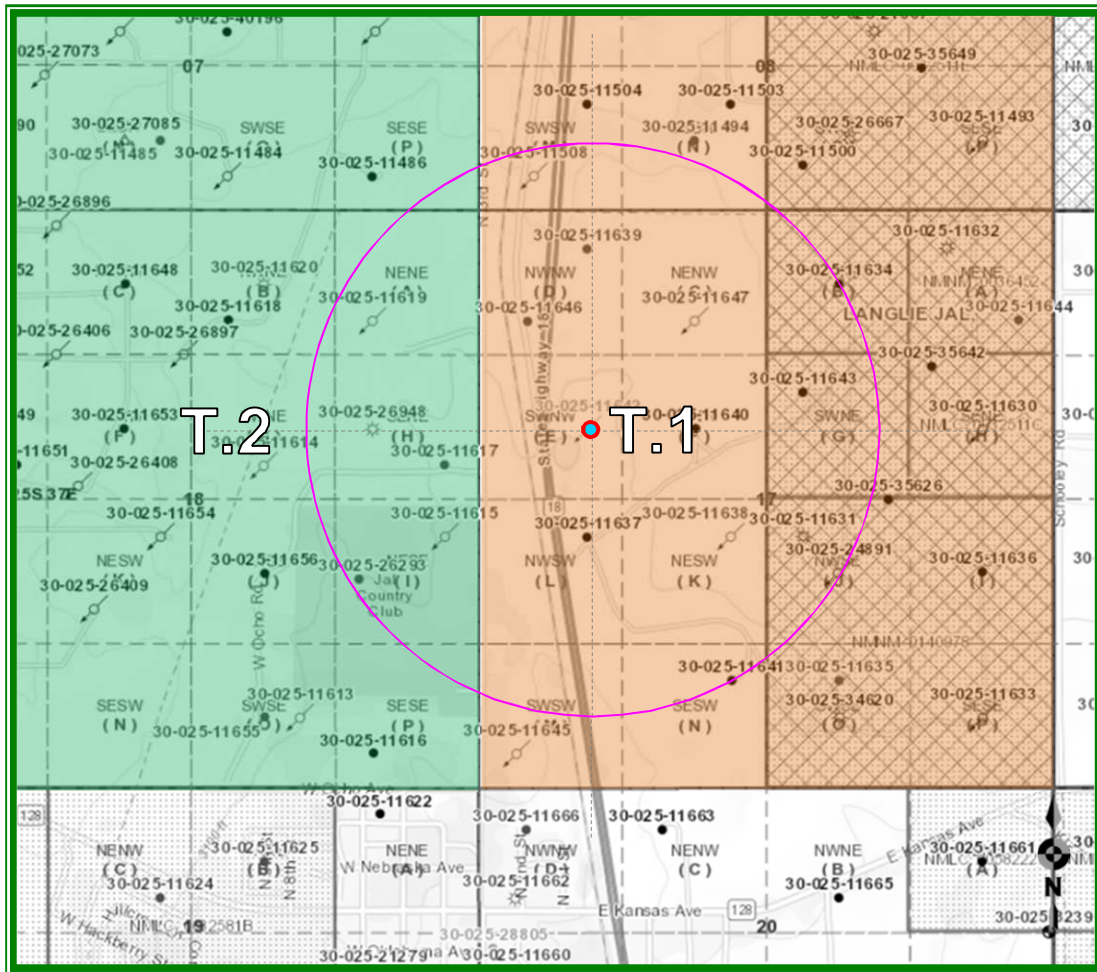


Ben Stone, Partner
SOS Consulting, LLC

Project: Fulfer Oil and Cattle, LLC
SLJU Well No.18
Reviewed 7/25/2019

South Langlie Jal Unit #18 SWD – Affected Parties Plat

(Attachment to NMOCD Form C-108, Application for Authority to Inject.)



LEGEND

T.1 – Split Estate - Jal Public Library / BLM – Fulfer, Pogo (Op)

T.2 – Fee – Fulfer Investments - Fulfer (Op)

C-108 ITEM XIII – PROOF OF NOTIFICATION

IDENTIFICATION AND NOTIFICATION OF INTERESTED PARTIES

Exhibits for Section

Affected Parties Map

List of Interested Parties

Notification Letter to Interested Parties

Proof of Certified Mailing

Affidavit Published Legal Notice

C-108 ITEM XIII – PROOF OF NOTIFICATION AFFECTED PARTIES LIST

SOS Consulting is providing electronic delivery of C-108 applications.
**ALL APPLICABLE AFFECTED PARTIES ARE PROVIDED A LINK IN THE NOTICE LETTER
TO A SECURE SOS/ CITRIX SHAREFILE® SITE TO VIEW AND DOWNLOAD
A FULL COPY OF THE SUBJECT C-108 APPLICATION IN PDF FORMAT.**

"AFFECTED PERSON" MEANS THE DIVISION DESIGNATED OPERATOR; IN THE ABSENCE OF AN OPERATOR, A LESSEE WHOSE INTEREST IS EVIDENCED BY A WRITTEN CONVEYANCE DOCUMENT EITHER OF RECORD OR KNOWN TO THE APPLICANT AS OF THE DATE THE APPLICANT FILES THE APPLICATION; OR IN THE ABSENCE OF AN OPERATOR OR LESSEE, A MINERAL INTEREST OWNER WHOSE INTEREST IS EVIDENCED BY A WRITTEN CONVEYANCE DOCUMENT EITHER OF RECORD OR KNOWN TO THE APPLICANT AS OF THE DATE THE APPLICANT FILED THE APPLICATION FOR PERMIT TO INJECT.; PER OCD RULES NMAC 19.15.26.7, A. AND 19.15.26.8, B. 2.

SURFACE OWNER

- 1 JAL PUBLIC LIBRARY
P.O. Box 178
Jal, NM 88252
Certified: 7018 2290 0001 2038 6179

OFFSET MINERALS LESSEES (or OWNERS) and OPERATORS (Notified via USPS Certified Mail)

Split Estate – BLM Lease (T.1 Affected Parties Plat)

Operators

FULFER OIL & CATTLE (Applicant)
P.O. Box 1224
Jal, NM 87252

- 2 POGO OIL & GAS OPERATING, INC.
1515 Calle Sur, Ste.174
Hobbs, NM 88240
Certified: 7018 2290 0001 2038 6162

Private Lease (T.2 on Affected Parties Plat)

Operator

FULFER OIL & CATTLE (Applicant)
P.O. Box 1224
Jal, NM 87252

REGULATORY

NEW MEXICO OIL CONSERVATION DIVISION (FedEx'ed original and copy + PDF emailed)
1220 S. St. Francis Dr.
Santa Fe, NM 87505

NEW MEXICO OIL CONSERVATION DIVISION (FedEx'ed copy)
1625 N. French Dr.
Hobbs, NM 88240

August 7, 2019

NOTIFICATION TO INTERESTED PARTIES
via U.S. Certified Mail – Return Receipt Requested

To Whom It May Concern:

Fulfer Oil and Cattle Company, Jal, New Mexico, has made application to the New Mexico Oil Conservation Division to utilize a previously authorized injection well for salt water disposal its South Langlie Jal Unit Well No.18. The SWD operation will be for **private water disposal** from **on-lease operations**. As indicated in the notice below, the well is located in Section 17, Township 25 South, Range 37 East in Lea County, New Mexico.

The published notice states that the interval will be from 3,197 feet to 3,280 feet into the Seven Rivers and Queen formations.

Following is the notice published in the Hobbs Daily News-Sun, Hobbs, New Mexico on or about July 24, 2018.

LEGAL NOTICE

Fulfer Oil & Cattle, LLC, P.O. Box 1224, Jal, NM 87252 is filing Form C-108 (Application for Authority to Inject) with the New Mexico Oil Conservation Division for administrative approval to [re]permit for waterflood injection its South Langlie Jal Unit No.18. The previously authorized injection well is located 1980' FNL & 990' FWL in Section 17, Township 25 South, Range 37 East in Lea County, 5.3 miles north of Jal, New Mexico. Produced water from ON-LEASE will be reinjected into the Seven Rivers and Queen formations through an openhole interval from 3197 feet to maximum depth of 3280 feet. The maximum injection pressure will be 639 psi surface (0.2 psi/ft gradient) and a maximum rate limited only by such pressure.

Interested parties wishing to object to the proposed application must file with the New Mexico Oil Conservation Division, 1220 St. Francis Dr., Santa Fe, NM 87505, (505)476-3460 within 15 days of the date of this notice. Additional information may be obtained from the applicant's agent, SOS Consulting, LLC, (903)488-9850 or, email info@sosconsulting.us.

You have been identified as a party who may be interested as an offset lessee or operator.

You are entitled to a full copy of the application. A full copy in PDF format is posted on the SOS Consulting **ShareFile** site and is available for immediate download.

Use the URL link: <https://sosconsulting.sharefile.com/d-s7dc769f94b14c50b>
(Please Note: The ShareFile service is powered by Citrix Systems and is completely secure.*)

The link to this file will be active for 30 days from the date of this letter. Your company can access and download the file a maximum of five (5) times. (One copy may be downloaded and shared as needed among your company.)

If preferred, you may call SOS Consulting, LLC at 903-488-9850, or email info@sosconsulting.us, and the same PDF file copy will be expedited to you via email.

Please use a subject like **"SLJU #18 August 2019 PDF Copy Request"**.

Thank you for your attention in this matter.

Best regards,



Ben Stone, SOS Consulting, LLC
Agent for Fulfer Oil & Cattle Company

Cc: Application File

SOS Consulting is committed to providing superior quality work using technology to assist clients and affected parties in obtaining the documentation required. SOS will continue to utilize methods which are less energy and resource intensive including, the reduction of paper copies.

We hope you'll partner with us and appreciate these efforts.

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C-108 - Item XIV

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PS Form 3800, October 2016

COMO TX 75431
AUG 07 2019

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Total Postage and Fees	\$ 6.85

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Street and
City, State

POGO OIL & GAS OPERATING, INC.
1515 Calle Sur, Ste.174
Hobbs. NM 88240

PS Form 3800, October 2016

COMO TX 75431
AUG 07 2019

Affidavit of Publication


STATE OF NEW MEXICO
COUNTY OF LEA

I, Daniel Russell, Publisher of the Hobbs News-Sun, a newspaper published at Hobbs, New Mexico, solemnly swear that the clipping attached hereto was published in the regular and entire issue of said newspaper, and not a supplement thereof for a period of 1 issue(s).

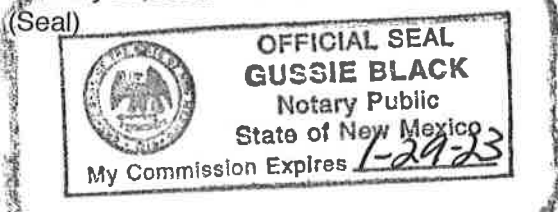
Beginning with the issue dated
July 24, 2019
and ending with the issue dated
July 24, 2019.


Publisher

Sworn and subscribed to before me this
24th day of July 2019.


Business Manager

My commission expires
January 29, 2023



This newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Laws of 1937 and payment of fees for said

LEGALS

LEGAL NOTICE JULY 24, 2019

Fulfer Oil & Cattle, LLC, P.O. Box 1224, Jal, NM 87252 is filing Form C-108 (Application for Authority to Inject) with the New Mexico Oil Conservation Division for administrative approval salt water disposal in its South Langle Jal Unit No.18 SWD. The previously authorized injection well is located 1980' FNL & 990' FWL in Section 17, Township 25 South, Range 37 East in Lea County, 5.3 miles north of Jal, New Mexico. Private disposal will be for produced water from ON-LEASE and will be reinjected into the Seven Rivers formation through an openhole interval from 3197' to maximum depth of 3280 feet. The maximum injection pressure will be 639 psi surface (0.2 psi/ft gradient) and a maximum rate limited only by such pressure.

Interested parties wishing to object to the proposed application must file with the New Mexico Oil Conservation Division, 1220 St. Francis Dr., Santa Fe, NM 87505, (505)478-3460 within 15 days of the date of this notice or the OCD receipt date, whichever is later. Additional information may be obtained from the applicant's agent, SOS Consulting, LLC, (903)488-9850 or, email info@sosconsulting.us, #34482

67104420

00231195

BEN STONE
SOS CONSULTING, LLC.
P.O. BOX 300
COMO, TX 75431

August 16, 2019

GREG FULFER

FULFER OIL & CATTLE

P. O. BOX 1321

JAL, NM 88252

RE: WATER SAMPLE

Enclosed are the results of analyses for samples received by the laboratory on 08/02/19 16:50.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-18-11. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at

www.tceq.texas.gov/field/ga/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Total Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:FULFER OIL & CATTLE
P. O. BOX 1321
JAL NM, 88252Project: WATER SAMPLE
Project Number: WATER SOURCE - JAL NM
Project Manager: GREG FULFER
Fax To: NONEReported:
16-Aug-19 12:35

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
N J CC	H902665-01	Water	02-Aug-19 16:00	02-Aug-19 16:50
C WINDMILL	H902665-02	Water	02-Aug-19 16:00	02-Aug-19 16:50

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

FULFER OIL & CATTLE
P. O. BOX 1321
JAL NM, 88252

Project: WATER SAMPLE
Project Number: WATER SOURCE - JAL NM
Project Manager: GREG FULFER
Fax To: NONE

Reported:
16-Aug-19 12:35

N J C C
H902665-01 (Water)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories
Inorganic Compounds

Alkalinity, Bicarbonate	381		5.00	mg/L	1	9080208	AC	06-Aug-19	310.1	
Alkalinity, Carbonate	<1.00		1.00	mg/L	1	9080208	AC	06-Aug-19	310.1	
Chloride*	72.0		4.00	mg/L	1	9080104	AC	05-Aug-19	4500-Cl-B	
Conductivity*	1180		1.00	uS/cm	1	9080519	AC	05-Aug-19	120.1	
pH*	7.79		0.100	pH Units	1	9080519	AC	05-Aug-19	150.1	
Sulfate*	263		62.5	mg/L	6.25	9080612	AC	07-Aug-19	375.4	
TDS*	798		5.00	mg/L	1	9080518	AC	06-Aug-19	160.1	
Alkalinity, Total*	312		4.00	mg/L	1	9080208	AC	06-Aug-19	310.1	

Green Analytical Laboratories
Total Recoverable Metals by ICP (E200.7)

Calcium*	38.3		0.500	mg/L	5	B908110	AES	14-Aug-19	EPA200.7	
Magnesium*	44.0		0.500	mg/L	5	B908110	AES	14-Aug-19	EPA200.7	
Potassium*	5.58		5.00	mg/L	5	B908110	AES	14-Aug-19	EPA200.7	
Sodium*	172		5.00	mg/L	5	B908110	AES	14-Aug-19	EPA200.7	

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

FULFER OIL & CATTLE
P. O. BOX 1321
JAL NM, 88252

Project: WATER SAMPLE
Project Number: WATER SOURCE - JAL NM
Project Manager: GREG FULFER
Fax To: NONE

Reported:
16-Aug-19 12:35

C WINDMILL
H902665-02 (Water)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Inorganic Compounds

Alkalinity, Bicarbonate	200		5.00	mg/L	1	9080208	AC	06-Aug-19	310.1	
Alkalinity, Carbonate	<1.00		1.00	mg/L	1	9080208	AC	06-Aug-19	310.1	
Chloride*	428		4.00	mg/L	1	9080104	AC	05-Aug-19	4500-Cl-B	
Conductivity*	1870		1.00	uS/cm	1	9080519	AC	05-Aug-19	120.1	
pH*	7.27		0.100	pH Units	1	9080519	AC	05-Aug-19	150.1	
Sulfate*	260		62.5	mg/L	6.25	9080612	AC	07-Aug-19	375.4	
TDS*	1260		5.00	mg/L	1	9080518	AC	06-Aug-19	160.1	
Alkalinity, Total*	164		4.00	mg/L	1	9080208	AC	06-Aug-19	310.1	

Green Analytical Laboratories
Total Recoverable Metals by ICP (E200.7)

Calcium*	201		0.500	mg/L	5	B908110	AES	14-Aug-19	EPA200.7	
Magnesium*	61.6		0.500	mg/L	5	B908110	AES	14-Aug-19	EPA200.7	
Potassium*	5.16		5.00	mg/L	5	B908110	AES	14-Aug-19	EPA200.7	
Sodium*	107		5.00	mg/L	5	B908110	AES	14-Aug-19	EPA200.7	

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

FULFER OIL & CATTLE
P. O. BOX 1321
JAL NM, 88252

Project: WATER SAMPLE
Project Number: WATER SOURCE - JAL NM
Project Manager: GREG FULFER
Fax To: NONE

Reported:
16-Aug-19 12:35

Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch 9080104 - General Prep - Wet Chem

Blank (9080104-BLK1)

Prepared & Analyzed: 01-Aug-19

Chloride	ND	4.00	mg/L						
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LCS (9080104-BS1)

Prepared & Analyzed: 01-Aug-19

Chloride	100	4.00	mg/L	100	100	80-120			
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LCS Dup (9080104-BSD1)

Prepared & Analyzed: 01-Aug-19

Chloride	104	4.00	mg/L	100	104	80-120	3.92	20	
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Batch 9080208 - General Prep - Wet Chem

Blank (9080208-BLK1)

Prepared & Analyzed: 02-Aug-19

Alkalinity, Carbonate	ND	1.00	mg/L						
Alkalinity, Bicarbonate	5.00	5.00	mg/L						
Alkalinity, Total	4.00	4.00	mg/L						

LCS (9080208-BS1)

Prepared & Analyzed: 02-Aug-19

Alkalinity, Carbonate	ND	2.50	mg/L			80-120			
Alkalinity, Bicarbonate	318	12.5	mg/L			80-120			
Alkalinity, Total	260	10.0	mg/L	250	104	80-120			

LCS Dup (9080208-BSD1)

Prepared & Analyzed: 02-Aug-19

Alkalinity, Carbonate	ND	2.50	mg/L			80-120		20	
Alkalinity, Bicarbonate	305	12.5	mg/L			80-120	4.02	20	
Alkalinity, Total	250	10.0	mg/L	250	100	80-120	3.92	20	

Batch 9080518 - Filtration

Blank (9080518-BLK1)

Prepared: 05-Aug-19 Analyzed: 06-Aug-19

TDS	ND	5.00	mg/L						
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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

FULFER OIL & CATTLE
P. O. BOX 1321
JAL NM, 88252

Project: WATER SAMPLE
Project Number: WATER SOURCE - JAL NM
Project Manager: GREG FULFER
Fax To: NONE

Reported:
16-Aug-19 12:35

Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 9080518 - Filtration

LCS (9080518-BS1) Prepared: 05-Aug-19 Analyzed: 06-Aug-19

TDS 531 mg/L 527 101 80-120

Duplicate (9080518-DUP1) Source: H902613-05 Prepared: 05-Aug-19 Analyzed: 06-Aug-19

TDS 8300 5.00 mg/L 8370 0.840 20

Batch 9080519 - General Prep - Wet Chem

LCS (9080519-BS1) Prepared & Analyzed: 05-Aug-19

Conductivity 45400 uS/cm 50000 90.8 80-120

pH 7.03 pH Units 7.00 100 90-110

Duplicate (9080519-DUP1) Source: H902665-01 Prepared & Analyzed: 05-Aug-19

Conductivity 1180 1.00 uS/cm 1180 0.169 20

pH 7.77 0.100 pH Units 7.79 0.257 20

Batch 9080612 - General Prep - Wet Chem

Blank (9080612-BLK1) Prepared: 06-Aug-19 Analyzed: 07-Aug-19

Sulfate ND 10.0 mg/L

LCS (9080612-BS1) Prepared: 06-Aug-19 Analyzed: 07-Aug-19

Sulfate 19.2 10.0 mg/L 20.0 96.0 80-120

LCS Dup (9080612-BSD1) Prepared: 06-Aug-19 Analyzed: 07-Aug-19

Sulfate 18.1 10.0 mg/L 20.0 90.7 80-120 5.73 20

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

FULFER OIL & CATTLE
P. O. BOX 1321
JAL NM, 88252

Project: WATER SAMPLE
Project Number: WATER SOURCE - JAL NM
Project Manager: GREG FULFER
Fax To: NONE

Reported:
16-Aug-19 12:35

Total Recoverable Metals by ICP (E200.7) - Quality Control

Green Analytical Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B908110 - Total Rec. 200.7/200.8/200.2

Blank (B908110-BLK1)

Prepared: 13-Aug-19 Analyzed: 14-Aug-19

Calcium	ND	0.100	mg/L							
Sodium	ND	1.00	mg/L							
Potassium	ND	1.00	mg/L							
Magnesium	ND	0.100	mg/L							

LCS (B908110-BS1)

Prepared: 13-Aug-19 Analyzed: 14-Aug-19

Sodium	3.14	1.00	mg/L	3.24		96.8	85-115			
Potassium	7.84	1.00	mg/L	8.00		98.0	85-115			
Magnesium	20.5	0.100	mg/L	20.0		103	85-115			
Calcium	4.06	0.100	mg/L	4.00		102	85-115			

LCS Dup (B908110-BSD1)

Prepared: 13-Aug-19 Analyzed: 14-Aug-19

Potassium	7.70	1.00	mg/L	8.00		96.3	85-115	1.82	20	
Sodium	3.06	1.00	mg/L	3.24		94.4	85-115	2.45	20	
Calcium	3.99	0.100	mg/L	4.00		99.7	85-115	1.89	20	
Magnesium	20.5	0.100	mg/L	20.0		102	85-115	0.203	20	

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

[illegible]

McMillan, Michael, EMNRD

From: Goetze, Phillip, EMNRD
Sent: Tuesday, August 20, 2019 12:46 PM
To: McMillan, Michael, EMNRD
Subject: FW: [EXT] Letter concerning use of of injection well

FYI, per our discussion. PRG

Phillip Goetze, PG
Engineering Bureau, Oil Conservation Division, NM EMNRD
1220 South St. Francis Drive, Santa Fe, NM 87505
Direct: 505.476.3466
E-mail: phillip.goetze@state.nm.us

From: Woolworth Trust <woolworthtrust@yahoo.com>
Sent: Monday, August 19, 2019 3:22 PM
To: Goetze, Phillip, EMNRD <Phillip.Goetze@state.nm.us>
Cc: Jody O'Briant <pastorjoe1977@gmail.com>; Snider, Brian <brian.snider@jalnm.org>; Brad Beckham <mbeckham29@aol.com>; Brad Beckham <bradbeckham1882@yahoo.com>; Dirk Jones <dirkjones1313@gmail.com>
Subject: [EXT] Letter concerning use of of injection well

Good afternoon, Mr. Goetze,

The Trustees of the Jal Public Library Fund recently received a letter concerning Fulfer Oil and Cattle Company, Jal, New Mexico, making an application to the New Mexico Oil Conservation Division to utilize a previously authorized injection well for salt water disposal at its South Langlie Jal Unit Well No. 18. The letter states the SWD will be from **private water disposal** for **on-lease operations**. The well is located in Section 17, Township25 South, Range 37 East in Lea County, New Mexico.

The Trustees have two points of concern:

- 1) they want to make sure the well is deep enough to not contaminate the ground water in the area (The well is from 3197 feet to maximum depth of 3280 feet)
- 2) they want to be assured the well will never become commercial.

Since the Trust is the surface owner, we would like to have a seat at the table so we can be kept abreast of any developments.

Please respond to this email when you receive it.

Sincerely,

Trustees of the Jal Public Library Fund

*Karen Norwood
Business Manager
Jal Public Library Fund*

100 East Utah Ave.
PO Box 178
Jal, New Mexico 88252
Phone 575-395-2464
Fax 575-395-2009

Email: poolworthtrust@yahoo.com

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